

<210> 7144
 <211> 383
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189013f09b1

 <400> 7144

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 tttcggatca tgtgtatccg aacacaacac agccaagtat aatggagagc caacaaggaa 180
 acgctcaagc acaacatctt tcccattttt caagcttgct ggcacagcaa gctaactctc 240
 tgcaaagcaa cttcttgggg tcaaacttta ccagcaccg ggattttgac ttttcacat 300
 ttttatcagc acagtcagct atgaaatata acccagctgt gccaaactacc agttacccaa 360
 tctccatgca ggagaattta aac 383

<210> 7145
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 <223> Clone ID: uC-tsrow189013f10b1

 <400> 7145

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 aaggacgccg ccaatggcaa cggcgccacc acgcgcccgc cgccactcc ctccccatc 180
 cgcttctcca agttcttcca ggccaacatg cggatcctgg gcaccggcgg agctggcttc 240
 atcggctcgc acctcgctga caagctcatg gagaacgaga agaacgaggg cattgttgct 300
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<210> 7146
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 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189013f11b1

<400> 7146

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gctgcgacaa cacctgtacg gctccggcga gccggcactg cgggcactgt cgtggaagca 180

gcggctggag atctgcatcg ggggtggcgat gggcgtgcac tacctgcacg caggctgctc 240

ggagaacatc atccaccgag acatcaagtc gaccaacatc ctctggggcg acagcaaccg 300

cggcatgata gccaaggtag ccgacttcgg gctgtcgtc accggggcgt cgttcgggca 360

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<210> 7147

<211> 429

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189013f12b1

<400> 7147

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gcggaggcga ccacccacc gccgccaaga tgcagatctt cgtgaagacc ctgacgggca 120

agaccatcac gctggagggtg gactcctcgg acaccatcga caacgtgaag gccaagatcc 180

aggacaagga ggggatcccg ccggaccagc agcgctcat cttcgccggc aagcagctcg 240

aggacggccg caccctcgcc gactacaaca tccagaagga gtccaccctt cacctgggtgc 300

tccgctcctg tgggtggcgcc aagaagcgca agaagaagac gtacaccaag cccaagaagc 360

aaaagcacia gcacaagaag gtgaagctcg ccgtcctcca gttctacaag gtcgacgacg 420

ccaccggca 429

<210> 7148

<211> 353

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189013g01b1

<400> 7148

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gagaaagaca aggacggcga cgagcaggac ggccaggacg agagcatctg cccgctggac 180
tggcagctga acggcgccat cctggacgac gagatcaacg aggccatcgt tcgcccgtc 240
gtgcagggcg tcaggctcca cgccatcatt gacgcctgcc gcagcggcac cgtccttgat 300
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<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g02b1

<400> 7149

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cgacgtcccg gaggacgcca acgcccattg ccctggaacg cagtcggagg aggcagggaa 180
ggccgattcc tgcgccgggt gcccgaaacca gcagatttgc gccaccgccc ccaagggccc 240
cgatcctgac ttggttgcta ttgctgagcg gatggctact gtgaaacaca agatactggt 300
tttgtcagga aaggagggtg ttggaaagag cacattttc 339

<210> 7150
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g03b1

<400> 7150

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ctggcggtgc agcaccggca ccaggagggtg aagggtggccg cggccgggag ccgcgaggcg 180
caggtgcagt ggacggacga gctcatgggc gaggccgcga ggggctccgg cgaggagtgc 240
aactggctcg tggggcggtg ggtgtacgac aacgcctccc agccgctcta ctccggcctc 300
aactgctcct tcattcttga cgaggctgcc tgcgagaagt atggccggaa tgac 354

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<212> DNA
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<223> Clone ID: uC-tsrow189013g04b1

<400> 7151

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gagccatact gtgccgattt atgagggata tgcacttcct catgctattc tccggctgga 180
tcttgcgggc cgtgatctga ccgactccct gatgaagatc ctcacggaga ggggctattc 240
cttcaccaca actgctgagc gggaaatcgt aagagatata aaggagaagc tcgcctacgt 300
cgcccttgac tacgagcagg agctggagac cgccaagagc agctcgtccg tcgagaagag 360
ctacgaactg cctgacgggc aggtcatcac gatcggcgcc gagaggt 407
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<210> 7152
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g05b1

<400> 7152

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cggccccgtg gcatgggaca acaacgtggc caggtttgcg caggactggg cggcgagcgc 180
cgccggcgat tgccggctgc agcactccgg cgggcccgtc gccgagaaca tcttctgggg 240
ttccgggcag tcgtggacgg ccgccgacgc ggtgaagctg tgggtggacg agaagcagaa 300
ctaccatctt gacagcaaca cctgcgacgc cggcaagggtg tgcgggcact acacgcaggt 360
gggtgtggcg aggtcgaccc gcatcggt 389
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<210> 7153
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g06b1

<400> 7153

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ggccaccgcc ctccgccctc cccggctccc agttccagag caagcctctt cacttcacgc 180
cctaccaaag tacagagttg ccgtcactgg gcgtaggagc ttcgccgcca gggccggctc 240
gtatccaggc aacgtgggcg tcccgaagca atggtacaac ctcatcgccg acctgccggt 300
gaagccgccg ccgatgctgc acccggggac gcaccagccg ctgaacccca gcgacct 357

<210> 7154

<211> 381

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g07b1

<400> 7154

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ccgagggctc gaccgcgccg atttcccgcc ggtgttcctc ttcggcgctc cgacgtctgc 180
ttaccagatc gagggcgcgat acctggagga cggcaagggc ctacagcaact gggatgtggt 240
caccacaca cctagaagaa ttaaggatgg acggaatggg gacatagcgg atgatcacta 300
ccatcggtac atggaggacg tggagattat acatagtttg ggggtcgact cctacaggtt 360
ctcaatctca tgggcgagaa t 381

<210> 7155

<211> 339

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g08b1

<400> 7155

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ccagccagcg cgtcgagcaa actctacatc gtgtatatgg gggagaagaa gcatgatgac 120

ccgtccgtgg tcaccgcgtc acaccatgac atactaacat ctgttttttg gagcaaggat 180
 gaagccttga ggtccatagt ttacagttac aagcatggat tttctgggtt cgcagcgatg 240
 ctcaccaagt ctcaagctga cgcaattgca aaatttcccg aagttgtcac tgtgaagcct 300
 aacacttttc atgaaacaca cacaactcgg agctgggac 339

<210> 7156
 <211> 335
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g10b1

<400> 7156

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 cgctctcccc tcccaaacc ctctctgcac ccgcccagat ccaagcgccc atcttcccct 180
 acgcccgcgc cgccgcgcgc gccggggcca ccaagagggg gagcgatggc tccctattaa 240
 tctccatttc ccttctctcc atcccctccg ccgtctctcc ctcccaaacc cctctctgca 300
 cccgccaga tccaagctcc catcttcccc tacgc 335

<210> 7157
 <211> 411
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g11b1

<400> 7157

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 cgaagacaga tccggcgacc gacaagccat ggtgtccaac ggggagctgt cgcagccgca 180
 ggcgggggag tacggcctcg ccgtgatgcg ccgcccggcc aagaccaaga tcgtctgcac 240
 gctcggcccg gcctcgcgct ccgtcgacat gatcgaaaag ctgctgcgcg ccggcatgtg 300
 cgctcggccg ttaacttct cccacggctc ccacgactac caccaggaga cgctcgacaa 360
 cctgcacgcc gtcattggagc gcaccgggat cctctgcgcc gtcattgctg a 411

<210> 7158
 <211> 250
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189013h01b1

 <400> 7158

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 gtcttcagct ccgacatcac gacgtgccag tccaacggcg ttgaggtgct cctctctctc 120
 ggcggtggcg ccggcagcta cggactatcc tccaccgagg acgcgcagag cgttgccacc 180
 tacctgtggg acaacttcct cgggggcagc gcgtcgcacc gcccgctcgg cgacgccgcc 240
 ctggacggca 250

<210> 7159
 <211> 363
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189013h02b1

 <400> 7159

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 acccgaagtc gacgcgtcgt tggggcggcg gttccaccaa tctgtgcggc ggatcgcgcg 180
 cgattcagtc caaagcgccg agcggtttgg gtttctaccg cgaagtcgac ttcaccgctc 240
 cggccggtta cgtcgagttc cgcggctaag cgttgcgctg aacagtgtc aacaactgcc 300
 gcagccgaag gcaaatccca gagcgccaac ggccaaaccg ccggcgcagt aaacagcggc 360
 gaa 363

<210> 7160
 <211> 377
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189013h03b1

 <400> 7160

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 cgagaccttc gccttccagg ccgagatcaa ccagctgctc tcgctcatca tcaacacctt 180
 ctactccaac aaggagatct tcttccgga gctcatctcc aacgcctccg atgcgttgga 240
 taagatcagg tttgagagcc tgactgacaa gagcaagctg gatgctcagc cagagctgtt 300
 tatccatatt atccctgaca aggccacgaa cacactcact cttatcgaca gtggtattgg 360
 tatgacaaag tcagacc 377

<210> 7161
 <211> 328
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189013h04b1
 <400> 7161

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 aacggacggg ctttacgttt tcttgttccc actttttggt ttgttccaac caaccaggct 120
 atgttcaagc tcttttagcg acaggtttgg agtttgcttc gggttaatta gatcatggaa 180
 accttggttg ttgaccttct agctatgtac gtgtctcgat cgatctgggg gtagtagcta 240
 gctagcttgt tgcgcaagaa ctgatacatg catgcatgca cagatgggca tgagtttgct 300
 ggcacgatgg ctggcaagct atatggtg 328

<210> 7162
 <211> 426
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189013h05b1
 <400> 7162

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 gcttgcttcc aaacgcgacc tcatcagagc aagaccgga ggaaacaagg agaggccaga 120
 gcggcctgtc acaaggcaaa ggacagagga ggtgcttggt caggtctcct gctagatccg 180
 gaggcgatgg gcaggggctg gctggagggt catctcgtcg acgccaaggg cctcttcggc 240

agcgatttcc tagggaagat cgacccgtat gtaatcgtgc aataccggag ccaggagcgc 300
aagagcagca cctccagaga tgaggggagg aacccgagct ggaacgaggt gttccggttc 360
cagatcaact cctctgcggc caacgggcag cacaagctct tcctccggat catggaccac 420
gacaac 426

<210> 7163
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013h06b1

<400> 7163

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accatctgat gggaaatggg gcgaacatga gctggactac ctgctgttca tcgtgcgcga 180
ggatgaagctg gtcccgaaacc cggacgaagt ggccgacgtg aagtacgtga gccgggagca 240
gctgccccgag ctcatccagc aggcggacgc cggcgagggc ggcgtgaagc tgtccccttg 300
gttcaggctg gtggtggaca actctctcat gggctggtgg gagcacttgg agaaaggcac 360

<210> 7164
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013h07b1

<400> 7164

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ttcatgacaa cgtcggatcc ttggaggatg aggtgaccag gctcaaggaa gaaattgacg 120
tgacaagtga acgtcttgat gctgcagaga aagatgcagc cgacctaatt gcagagatcg 180
aagagctaag gttgaagcta caggcagtag aagatgagaa agcagaggcg ctgaacaatg 240
accagcttgc aagttcagaa atcgcggccc tgactgaaca aaagaacgag ctagccaagg 300
agctagaagc tagcaaagat gaagttgaga aggttaagaa ggcaatggag ggtctggcct 360
ctgccttgca cgagatgtca gctgaat 387

<210> 7165
 <211> 361
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189013h11b1

 <400> 7165

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 gcgaggagct ctccgacgtg ctgctctacc tgatccgtct ctccgacatg tgcggcgctcg 180
 acctcggtga cgcggccctg aagaagatcg tgaagaacgc cgtcaagtac ccggcgccgt 240
 caaagagcgc ctgatgagcg aacgccta atgatctgcg gagggattgt ctactttttt 300
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<210> 7166
 <211> 55
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189015a01b1

 <400> 7166

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<210> 7167
 <211> 466
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189015a02b1

 <400> 7167

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 ggactggatg gtgggggtgc gccggcggat ccacgagaac cctgagctcg gctacgagga 180
 gtttgacacc agtgagctcg tgcggcgcgga gctcgatgcc atggggatcc cctacaggca 240

tcccttcgcg gtcaccggcg tcgtcgccac cgtcggcaca ggcggcccg ccttcgtcgc 300
gcttcggggc gacatggacg cgctccctat gcaggaaagc gtggaatggg aacataagag 360
caaagtgcct ggggaagatgc atggatgtgg ccatgatgca catgttgcta tgctattggg 420
ttctgctaag attcttcagg agcaccgtga cgagttgaag ggtact 466

<210> 7168
<211> 320
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189015a03b1
<400> 7168

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cggagacgac tatatagacg gtctaggggt tgaagcaact taacaatgag tagcatagga 120
actgggtatg atctgtccgt caccacttcc tccccggacg gacgtgtctt ccaggtcgag 180
tatgctggca aggccgtcga caacagcggg acgatcgttg ggatcaaattg caaagatgga 240
attgtccttg gtgtggagaa gctgataaca tcaaagatga tacttgctgg gtcgaaccgg 300
agacttaatt ccgtgcaccg 320

<210> 7169
<211> 424
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189015a07b1
<400> 7169

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ccgccgcgag atcggctctc cgccggggcg ccctcgccgc ctctcgtcc tcttcagctg 120
ccgggatcct ccacaggtcg gcggcgggcg gcctggagac gcggatgcc ctgcacagcg 180
cggcgtcggc ggcgcgcctc ggatcctgca tcacccgaga tggcgacaat gctttctcat 240
ggaactccag gcgcatgttc agttcaaatg agaaacatct gcctgcaata tctgaccoga 300
aaattgagac tgcatttaag gatttgatgg ctgctagctg gaacgagctt ccaggttctc 360
ttgtggagga agcaaagaaa gcagtatcta tggctactga tgataaggct ggtcaagaag 420

cttt

424

<210> 7170
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015a09b1

<400> 7170

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tcttcgagac gcccgcgggg ttgcctctct tcaaggtgct ggacgagggg aagctcagca 180
gcgtcgagga tctgtggaag gactttgcct cgtcggacaa agcaaggaag gtggttgagc 240
tgaaggcttt caacaagttt gaaaatactt ctgatgctct ttcagccgca actttgctga 300
ttgatagcaa gccagcaag ggtctgcgca agttcctgca gaagcactgt gatgggtg 357

<210> 7171
<211> 405
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189015a11b1

<400> 7171

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gagcgggcac tggacgcggc tgccgacgct cggctgcggc gcgtcggggg ccgtgggtgc 120
gctggcggcc gacgccgct cgggggagct gttcgcggtc aagtccgtgc gcgcggcgga 180
cgcggcgcag ctgagccggg agcaggggat cctctccgcg ctctgctcgc cgcacgtcgt 240
cggctgcatc ggcgngcggt ggcgaccgag acggctccta ccacctcttc ttcgagttcg 300
ccccggcgcg ctgcgtcgcc gacgaggccg ccaggaatgg gggccgcttg gaggagcgcg 360
ccatctgggc gtacgcggcg gacgtcctgc gcggcctggc ataca 405

<210> 7172
<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015a12b1

<400> 7172

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ataacatgct acaatccgga gtactcgaac tgttggaaca catacgaag gaaaatctaa 180
aacctcttgt tatttatggt accgagtctt tctcagatca acttatgaag tttgaacact 240
tcgggagcat tcaggccttc aaactcaagt atcaacagta cttggagagt gccgatatga 300
aattaagtgc tagtgtgcct gacatgagaa agaaggcaga aggaagaggt cttgagaagg 360
aagaggaaga ttatttcaat gagagtgcg aggaagattc agtaaggcgg actaaacatg 420
cacacagtga acataatgaa gaaagcaagg atgatgtagc caatggaag 469

<210> 7173

<211> 438

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b01b1

<400> 7173

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ggggtctaata cagggaacag caggatgatg catgggtctg gaactcggcc agttgcatca 120
cgcaatttct caaggccatc caattcagcc agcaaatttc ggctacgata attggcatca 180
caaccgtgat ggtcagtatg ctgatgattt cactgaagac attcgctga aaagccacga 240
actgctcgag ggtgacgaca tgcagcagct gtcagggtc ttcaatatgg gcggagcttc 300
tactggtttg ccagacgaaa cgttttcctt ccctttgcaa tctccattgc caaaccaga 360
cttgaaggt gagcccagcc gtccatcggg caaagccgtt gtcgggtggc tcaagataaa 420
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<210> 7174

<211> 459

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b02b1

<400> 7174

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taccgcgtcc ccgccgcctt cgagtgggtc acctgcgacc tcgacgacga cgccctcctc 120
gccgacctct acgccctcct cgcccacaac tacgtcgagg acgacgagaa catgttccgc 180
ttcaactact ccccggcctt cctccgctgg gcgctccgcc cccctcctt cttccgcgcc 240
tggcacattg gcgtccgggc caaggagtcc aagaagctcg tcgctttcat atccggctgt 300
ccccgcgcgc atccgtgcgc gcgacgacgt tgtccgcatg gccgagatca acttcctctg 360
cgtccacaag aaggctccga tccaagcgcc tcgcgccagt gtcacccg gaggtcaccc 420
ttcgcgtcca cctggagaac atctggcagg ctgcctaca 459

<210> 7175

<211> 370

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b03b1

<400> 7175

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tcctcccggg aaagtcttg gttgatctct tcctcctcga ccgcctccca ggttcttggg 120
gtagcttttg ccaactctac caggagattt catgtctgat cttgacgttc agatcccaac 180
tgcccttgac ccctttgccg aggcgaatgc tggggacgct ggtgcagctg ccggatcaaa 240
agactacgtt catgtacgca tccagcagcg taatggctgc aagagcctga ccaactgtcca 300
gggcctgaag aaggagtcca gctacagcaa gatcctcaaa gacctcagaa agagttttgc 360
tgcaatggta 370

<210> 7176

<211> 387

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b04b1

<400> 7176

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gggtcttata cctgattatt tcttgagtaa cggccacctt gtcccagcag cgctcccaa 120
 caatggtgcc agtacttcca aaaatcaaac tactgcagaa tttggtgagc aacaaccatt 180
 tctgcaggag agtggattcc cactggcaca gatctttgca aaaaatgttg ctgctccttc 240
 gaatcaagaa ggaccaccat ttacacagtg cagttacgaa cagggtgcac atcaagaact 300
 atatcagcag gatccttcta tactgtgtaa tggaattcct ccctatttga cccatggaaa 360
 catcaatggt caggggatca ttctcag 387

<210> 7177
 <211> 311
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b05b1

<400> 7177
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 tactccgagt tcccctttgg ctctggggcc actggtttcg gggtctctca gcccgatcgt 120
 cgcccttccg gatgtccaat ctgaaggggg taccacatga agttctgcaa gtgggaaatt 180
 accatagaac tgtccgtcac gaccataaca agatagttga gggtccccag gaagttggta 240
 ccattgagaa tctgcagccg ctgcgggcgc gtgtcctccc ccgcggccac accaggtcta 300
 atattggata c 311

<210> 7178
 <211> 362
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b06b1

<400> 7178
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 cccctcctt gtcgtccgca accagccaaa gccaatcca agttgggagc cggaaccgcc 120
 tgccgcatca gccgtcgccg tcgatggagg cggactacta caaggtgctc ggcgtcggcc 180
 gcggcgccac cgacgacgag ctcaagaagg cctaccgccg cctcgtcatg aagtaaccac 240
 cggacaagaa cccctccccg caggccgaca ccctcttcaa gcaggtctcc gtggcctacg 300

acgttctcag cgacccggat aagcgcgcca tctacgacca gtacggcgag gaggggatca 360
ag 362

<210> 7179
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b07b1

<400> 7179

tcgcccacgc gtccgatttt catctttaag gaacaaactt gaattgcttc cacctggtgt 60
tctgattata ggatcccaca cccagatgga cagccgtaaa gagaaggcac atcctggtgg 120
atctcttttt acgaagtctg ctagtagcag ccagacgctc ttcgaccttt tcccagacag 180
ctttggtagt cggttgcatg aaaggaacaa agaaagcccg aaggcaatga aacatctaaa 240
taaacttttc ccgaacaaaa ttccatcca gcttccacag gacgaagcat tacttaccag 300
ttggaagcaa caattggatc gtgatgttga aacccttaaa gcaaaatcta acatcggtag 360
cattcgtacg tttttgaatc gcagtgcgat cgaatgcagt gaccttgaag aattattcat 420
aaagatcagt cactgactaa tgaaaatgtg gac 453

<210> 7180
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b08b1

<400> 7180

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aaggaggagt tggaaagccg tcttgctaaa aacgaacggg aagtaagaaa gcgggagaaa 120
aaaataaatg agatagtcga caggatctac aaggatttta gcatgtcagt tgggtgtgaag 180
aacattcgtg aatatgaaga aaagcaactg aaagatgctc aagcactgca ggagaggaag 240
ctaagtctga gcaatcaatt atcgaaactg aaataccagc tggaatatga acaaaagaga 300
gatatgcatg ctccgattgc aaagttaaac aacacacatg agaccctaga gaaggagctg 360
aagggcttgc aggagagaga aactcgtgct aaggctgatg ctgaacatat ttcaaatcag 420

<212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189015b1b1
 <400> 7183
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 ccaccgcttc ctccccgtcc ccctttggct tcggggccac tggtttcggg ttctctcagc 120
 ccgcgggccac ctcgctcgcgc tctccccctct tcggcgccacc cgccacctcc gccgcagcaa 180
 ccacgcctag catattcggg gccgccacga ccacgcccag ccccttcggc gcaccggcca 240
 cctcgtctgc ggccaccacc ccgagcctct tcggcgccgt ctctctcccc gcggccacac 300
 caggtctctt cgggtgcgacc accgcccgcg ccagcacccc cagtattttc ggcgcttctt 360
 ccgctgcgtc cactccaggt cttttctctg gcgccgccac gggcttcggc ttcgggtcat 420
 cggcatcagg ct 432

<210> 7184
 <211> 412
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsrow189015c01b1
 <400> 7184
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 ccgctcgctc tgctgctcct cctgctcgct gtggcgccacg ccgggacccc acggcaggag 120
 cccgccatcc ggctgccgct gcagcgcgcg gcggccgggc aggaggacga tgactccgctc 180
 gggaccaagt gggccgtcct cgtcgccggc tccaagggt accagaacta ccgccaccag 240
 atatctgcca cgcctaccag atcttgaaga aggggtggtc tcaaggatga gaacatcatt 300
 gtcttcatgt atgacgacat tgcgcataac ccggagaacc cgaggccngg cgatcatc 360
 aaccaccccc aggggggnag atgtctatgc tggggtccct aaggactaca ct 412

<210> 7185
 <211> 394
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189015c02b1

<400> 7185

ttggacgcgt gggcgccgcc gccgcgtcg tgcgcctccc tccccgcccc acgacgagct 60
ccctgccaca gcaaggTTTT ggccgcgccg gagcctcgct gctggccgtg cgtgcggcca 120
aggactcgga cgggttcaga cgtctggtct ctgagaagcc cgagtggccg gcgccggcgc 180
cggcgaagcg ggaggggctg gatggtttcg gccgggaggg gagcaacggg gaggaagacg 240
ggctggtgca gggcgagctg gctccgtgga gcgttctcag ccagctcggc gtcgagttgg 300
attctgacag ttcatatact gctctagtct atgggtcctc cgccattggt gctatttggg 360
tatcatcgat aggtggtttc tgcacttgaa tcag 394

<210> 7186

<211> 386

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015c03b1

<400> 7186

tttcggttcc ttctccttcc tcggagcttc agccatgggt aaagagaaga ctcacatcaa 60
catcgtgggt attggccatg tcgactctgg caagtcgacc accactggcc atctgatcta 120
caagcttggg ggtattgaca agcgtgtgat cgagagggtc gagaaggaag ccgccgagat 180
gaacaagagg tctttcaagt acgcctgggt gcttgacaag ctgaaggccg agcgtgagag 240
gggtatcacc attgatattg ccctgtggaa gttcgagacc accaagtact actgcaccgt 300
cattgatgct cctggtcacc gtgacttcat caagaacatg attactggta cctcccaggc 360
tgactgtgct gtgctcatca ttgact 386

<210> 7187

<211> 213

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015c04b1

<400> 7187

tttttcaaca ggcggaagcc tatctggatg aggaaaccag aggagatcaa catggaagag 60

<211> 338
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189015d01b1

 <400> 7190

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 ggacgcccac aacgcggcgc ggcgcgacgt gggccttggg gaggtgacat gggacgctac 120
 ggtggcagcc ttcgcgcagg actacgcgga tcagcgccgc ggcgactgcc agctgatcca 180
 tactcctgat ggccggccgt acggggagaa cctctacgga ggccggcgga ccgagtggac 240
 ggcgacggac gccgtgaatt cgtgggtgtc ggagaagcag tactacgacc acgacagcaa 300
 cacctgctcg gcgcccagg gtgagtcgtg cgggcact 338

<210> 7191
 <211> 394
 <212> DNA
 <213> *Triticum aestivum*

 <223> unsure at all n locations
 <223> Clone ID: uC-tsrow189015d03b1

 <400> 7191

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 tcgacatcgc cggccacttc gccgggttag gcagcgccga tgacctgcc aggacccccg 120
 tcctgtgcaa gcccaacgtc ggcgccatgg aggcggccct caggatcgcc aacgtcaacc 180
 cttacaaggc gattttcttc gacgacagcg tgcgcaacat tcaggcgggc aagcgaatcg 240
 gcctccacac ggtgctggtt ggcacgtcgc ancgggtgaa ggcggcgga tcacgcgctg 300
 gagagcatcc acaacatccg ggaggcgctg ccggagctgt gggaggaggc cgagaaggcg 360
 agggacgtcc tctacgccgc ccgcgtggcg atcg 394

<210> 7192
 <211> 411
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189015d04b1

 <400> 7192

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gcacgcgagg aggagagcaa cccggccgct cggagctccc agcgctcacc cggtagcgtc 120
gggcggcagt ggctggcct ggctctggcg cgtgcgcgtc ctgtgcgtcc gggagctgtg 180
gcggcgccgt ctgggtgaa tgcgatggac agctcgtagc ggctgcttca gtcatgcact 240
ttctggcggt ctaatcttcc cgaggaggca atatcgtagt ccttactacc tggcattggc 300
tggcttagat gtcgtttcgt agcatagctc gtgatgttag ggatggtttt cggtagcttg 360
tcgagacgga gctttgatgt gacaatcgca agcctttatg gtcttactgg g 411

<210> 7193
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015d07b1

<400> 7193

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cagcagcgtc ggcagcccag atcgccatgg cggccgagcc ggagcagcag gcggccgtgc 120
acatcgtgta cgtcgaccgc cccgaggacg ccgaccccgga ggagtccac atccgcaccc 180
tcgccccgt cctcggcagg taactgtgcc gtggaatcgg accggatccg cagccgtttg 240
gctcgggttt gcgccgccct gcctgtggga tctaggcctt tgggggtccg atttagcttg 300
gccttgctgt tttgggggtg attcgttctc ttgagacttt ttccggccgt gtgtcaattt 360
gctgatctgg ggggaatttt ggcagcgagg agaaggccag gggcgccgtc ctttaccact 420
acaagcacgc cgccagcgga ttctccgcaa agctcacca 459

<210> 7194
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015d08b1

<400> 7194

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ccatcgagaa catccactcc gagatgtact ccctgctcat cgagacctac atccgcgacg 120

acgtcgagaa ggaccgcctc ttccgcgcca tcgacaccat acccgccgtg cgccgcaagg 180
 ccgactgggc cctgcgctgg atcgacggtg gggagcgctt cgccgagcgc atcgtcgcct 240
 tcgcctgcgt ggagggcatc ttcttctcgg gctccttctg cgccatcttc tggctcaaga 300
 agcgcgggct catgccgggc ctcaccttct ccaacgagct catctccgc gacgagggcc 360
 tgcactgcga cttcgcctgc ctctctacg acatcctgcg cggcaagctg gacgagtcac 420
 gcgt 424

<210> 7195
 <211> 448
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189015d09b1
 <400> 7195

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 gggtttctc ccgccgtccg ccacaccgc cgccatggct cgccgcagcg gaggaggaag 120
 atcttccgc cctgctccac gtgctgctcc agtgagaaac ccaccagcg cagcccgta 180
 agtcctcca cctgctacta ccagagcag cgggtggtgt atcatgagcg gaattgggtc 240
 cactattgct cagggcatgg cttttggtac tggcagtgt atggcgaca gggctgttga 300
 tgctgtgatg ggtccccgta ccattcagca tgagactgt gtcggtgagg ctgctgcac 360
 tatgactcca atggacaacg ctgctgatga caagtgtggc aacccttcca ggccttcaa 420
 gattgcatca accactacgg cagcgaca 448

<210> 7196
 <211> 461
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189015d10b1
 <400> 7196

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 gagcgaaaat gccggtcagc aggatcgccg tggggagcca ccgtgaggtg tacgaggtcg 120
 gcgccctcaa ggcggcgctc gccgagttca tctccacgt catcttcgtc ttcgccggcc 180

agggctccgg catggccttc agcaagctga gccccgacgg cgcggcgacc cccgccggcc 240
 tgatctcggc ggcgatagcg cacgccttcg ccctgttcgt ggcggtgtcc gtgggcgcca 300
 acatctccgg cgggcacgtg aaccggccg tgaccttcgg cgccttcgtg ggcggcaaca 360
 tcacctctt ccgcggcctg ctctactgga tcgccagct cctgggctcc accgccgct 420
 gcttcctcct ccgcttctcc accggcgggc tccccaccgg c 461

<210> 7197
 <211> 296
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e02b1

<400> 7197

tcatgagtag cttgttattg accgtgccat ctctactgcg agtgtgatcg agctagtgat 60
 caaacgcgag aagatggcgt tgactggag cggcggcctc gctgtcgcgg tcgcggcggc 120
 gctggccgtg tccgcgtct tccggcggg cgctgcgggt caccgcgcgc tcccaggccc 180
 gttggtcccg cagttctacg agcacacgtg cccgcagatg caggcggttg tgggcgccat 240
 cgtggccaag gagcacgcca gggacccccg catggcggcg tccctgctcc ggctgc 296

<210> 7198
 <211> 261
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e03b1

<400> 7198

ggcgcctctc cttccgtctc cctccgatcc ccgcaagatt cttggagcaa cccctcttg 60
 cttctcgctc tcgtggcggc ggcgcttctt tacctcgccg ccttcgcgc gcgcccgcc 120
 agcgcgcacg ccgattctt cggcgcgcc gtcaagctcc tcgcctoget cctctccgtt 180
 cccgcgtccg ttctccgct cctctcaca gccctcccg cctccctct tctgcttatc 240
 cccctgctcc cactgcccgc t 261

<210> 7199
 <211> 221

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e04b1

<400> 7199

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atgaagagga gctggccctt atgacaccgc ctgctgccaa ggccctcggcc ccggccgctg 120
ctctgccgga cgtggtggtg aaggcgagca agggatggca ggaggtgttg ccccggcgtg 180
gtccgcgtcg cccgacgtcg ctagcccttg caatggctcc c 221

<210> 7200
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e05b1

<400> 7200

tttcacgcgt ccgctttatg gtaatcttaa aagaatatgc gagacaaatc ttggattgat 60
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cgcccttaaa atcaatgtta aggtgggagg gagaaatact gtacttggtg atgctttgtc 180
aaggagaatt ccccttggtta gtgacagacc aaccattata tttggtgctg atgttaccca 240
tcctcatcct ggagaagatt ctagcccttc catcgagct attggcccga ggtcaccaag 300
tatgctgga 309

<210> 7201
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e06b1

<400> 7201

ttcgagcaaa atgaatccca tagccaaatg ttacctgatg ttcttctctc ttttggcagt 60
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ctttgccggg agcctcaatg gtcgggatgt cctcctccgt gccacgtggt ccggcgccgc 180
atgctgcagc tgggaaggcg tgggttgtga cgccgccaac ggccgtgtca cggcactacg 240

cctccccggg cgaggccttg agggggccat cccaggaacc tcacttgcag gccttgcgca 300
gctcgaggaa ctcgacctcg gctccaacaa ctttcacaac atctcagggg tgctcaccgt 360
gttgcattggg tgccagaacc tcgccacgtt gattctcaca agaattttga tggatgaagag 420
ctac 424

<210> 7202
<211> 461
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e07b1

<400> 7202

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aactgcctta ctctctgcta catattcttt gttggagcaa tcgttgtcaa cttgataaga 120
gatcttgttc ccaagaaggt atcaaacttc ataccaatcc caatggcgat ggcaatccca 180
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tggcaaaggc tggacagagc caaatcgga acatttgcac ctgcagttgc ttccggcttg 300
atctgcggcg atggactgtg ggttctgcct cagtcggtgc ttgctcttgc caaggtgaaa 360
cctccaatct gcatgaagtt tctgtcaaga gggatgaacg acaaggtgga tgcttttctc 420
acaacattat cgtagaatct tagggaaaag gagaagttac a 461

<210> 7203
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e09b1

<400> 7203

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cgtcgccgca ggagtttctc ccgggattcg ccgccccctc cttctctctc cggcgaccga 180
tcggatcccg ccggccggag gcccgagccc cgcccgatct acccaccgga tggcgggcaa 240
cgccggcgcc ggcgccggcg gcagcaagat ccgcaacgcc aagctggttc ttctgggcga 300

cgtcggcacc ggcaagtcca gcctggtgct ccgcttcgtc aagggccagt tcgtcgagtt 360
ccaggaatcg accatcggcg c 381

<210> 7204
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e10b1

<400> 7204

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gtaccacccc ggtggccagg ggggataccc tccgcaaggg taccgccgc agcagggagg 180
ttaccctcca cagcaaggat accgcctgc acctggagct taccacctg cacctggggc 240
ataccctcct gcacctgggg cataccctcc tgcacccgga gcgggtggca gtgacgggga 300
gaaggggc 308

<210> 7205
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e11b1

<400> 7205

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gtcctaatacc gccgaatccc gcgaccacg aaccaaggca gatcgatggc gaagagctcg 120
ttcaagctgg agcaccogct cgagaggagg caggcggagg ctaaccgcat aagggagaag 180
tactctgaca gaattcctgt gatcgttgag aaggctggga agagtgatat tcctgacatt 240
gacaagaaaa agtacctcgt ccccgccgac cttacggttg gacagttcgt gtatgttgtc 300
cggaagcgga tcaagctcag tgctgagaag gcgatcttca tctttgtgaa gaacactctt 360
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ctctacatga cctacagcgg cgagaaca 448

<210> 7206
 <211> 493
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189015e12b1

 <400> 7206

 tctttttccc cgtctgtctt tcttctcggc ggaggcgaac gacgaaccct agccgcgcga 60
 ggaacgcaa gatccccaag gccggcgacg atggcggcgg ttcggtgcgc ggcgaggagg 120
 ctcggcggct ctctgtctca gcgaacgcag gcggcggctc cggaggaggg acgcctgctc 180
 gcgccaagca ggctcatgcg ctcccgccag ctctccacca aggtctccgg cgagcgatcg 240
 caggtggcgg agcgacacct cctcgagcca ggcagcctca tgcgctcccg ccagctctcc 300
 ggcgagcatg ctcgcaacat ccagaagaaa gaggatgact gctgggcggg gttcaatgag 360
 acgctaaaga gggtggacga gcttcaaaaa aagaagaaac caagtgtctt tcagcagcgc 420
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 tgtatgtggc tgc 493

<210> 7207
 <211> 274
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189015f01b1

 <400> 7207

 tttaagagga ggaagaacac caaggactca ctaccagcgc ctctccgcga tccaaatcct 60
 cccgggaaag atcttggttg atctcttctt cctcgaccgc ctcccaggtt cttggtgcag 120
 cttttgccag tctcagcagg agatttcatg tctgatcttg acgttcagat cccaactgcc 180
 tttgaccctt ttgccgaggc gaatgctggg gacgctggtg cagctgccgg atcaaaagac 240
 tacgttcatg tacgcatcca gcagcgtaat ggtc 274

<210> 7208
 <211> 219
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189015f02b1

<400> 7208

tttcagaact tgtgcttata cgtctctgta ctgcacgtct gtttgtgggg tcttcctggc 60

aaacatgtcg agcgcttcgg gacgggcggg ttgacgagca atgagatcga gcgctgggtg 120

ggaggtatct cacggtaatg gtgggcgtgg cggagcggcg ctggatttcg atggcatgga 180

gttcctacta gagccagttg accggttccc actcagga 219

<210> 7209

<211> 258

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f04b1

<400> 7209

ttttccacgc gtccgcccac gcgtccggag tttgacttgg tccaagattg atgccaaatt 60

gcaagctgga acatctgatt cagctaaaac agcacaaggc tctccatgtg ctggccattc 120

tttggtatca tgcgggaaca aaatcttctt tgttgctggg catacaaaag aaccatctga 180

cagcattaca gtgaaggaat ttggaccaca tacttgtacc tggtcgattg tgaagactta 240

ccgaaaacca ccggtttc 258

<210> 7210

<211> 71

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f05b1

<400> 7210

cccttgaggg tatcaagcat ttctatgtca atgtggagaa ggaagagtgg aagctcgaca 60

cactgggtga c 71

<210> 7211

<211> 358

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsrow189015f06b1

<400> 7211

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atccatcgat cgacccttgc ctgagccggc agcagcagcc atgaacaacc tgttctcgag 120
ttcgtggaag cgcgcgggcg cggggggcgga cggcggggac ctggagtcgg gcggcggcgg 180
cggggtggag atgactggcg ccgccgggcg ccgcggcggg gccgagcctg gaccgcttct 240
tcgaggacgt ggagtcgatc aaggacgacc tgcgggagct ggagcggatc cagcgtccc 300
tccacgacgg caacgagtcg ggcaagtcgc tccacgacgc ctncgccgtg cgcgcgct 358

<210> 7212

<211> 469

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f07b1

<400> 7212

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ggcgatggag ggctacgacc gcgagttctg gcagttcggc gaccagctgc ggctccagac 120
ggccagcttc tccggcctct ccctcggcga ctccatctgg tcccccgccg acgccgcccc 180
ccgcgccccg aacgccgacc tcttctcccc ctccccggcg cccgacaaca acaacgccgc 240
caagatgaac ggcaacggcc tcaacgggccc cggcctcatc gggtcgggca agctcgcctt 300
cggcgcccacc accaccagca aggccgaccg ctacaacaac gtcagcctcc ccgccgcccg 360
cgacgccaac gccaagccct acggcaacgc caacggccta tacggtgcca agccaacaa 420
cgccaccaac aacggcttta tggctcaaca agatggctgc cggcggcgcg 469

<210> 7213

<211> 444

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f08b1

<400> 7213

atgttttggg gcccttaagg gagctttgga tgggtggtctt gacattcccc acagtgacaa 60
gagatttgct ggttttaaga aggacgagaa gtcgctggat gctgagattc accgcaagta 120

catcttttga gggcatgttg ctgactacat gaggtcacta gcagatgagg aaccagagaa 180
 gttccaaact cacttcagtg agtacatcaa gaggggaatc tcagctgatg acatggaagc 240
 agtttacaag aaggttcatg ctgccatccg tgctgatccc accatggcca aatcaaccaa 300
 ggcgctccc aagactcaca agaggtaaaa cccaagaag ctgacttatg agcagaggaa 360
 gcccagcctc gtcgaaaggc tcaacgccct caacaactct gccggtgccg ccgatgatga 420
 cgaggacgac gaccagtga atgc 444

<210> 7214
 <211> 407
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f09b1

<400> 7214

tctagactat ttactatcac tgttggttgg tatttgaaca tgtcttttcg agggggagat 60
 gggaacagat agactcagtg aaagtggct gcacgtaaac tattgtgatc aagttggaaa 120
 aaaatgtttc ccctcttaac tgctcctgtt ggagactggg gtcagtagtc actgaaattt 180
 gcacacgcat ggaggaatga atgatgattc tcaagtaacg aagttgtagc cttcacgaca 240
 agataaatgg atgattttgc agctcaagtg ttgctacatg ttacagataa ctatggcatt 300
 ccattttaat gaatctgcat attgctgttg agcaccggaa gcgagggagg gcatggctgc 360
 ctggaggttg tccaaggcg agggcagggc agagacatgc aacaatg 407

<210> 7215
 <211> 434
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f11b1

<400> 7215

tttccaccac agccgcgcgc tccccacca acctgccccg acccgctccc gacctccgag 60
 gcaagcagcg cctccgccat ggcgttcgag aagatcaagg tcaccaaccc catcgctcag 120
 atggacggcg atgagatgac cagagtattc tggcagtcta tcaaggacaa gcttatcttc 180
 ccatttttgg acttgacat taagtacttt gacttgggag ttctacaccg cgatgcaact 240

gatgacaagg ttacagtgga ggctgcagag gctactctca agtacaatgt ggctattaaa 300
 tgtgcaacta ttactccaga tgaagatcgg gttaaggagt tcaacctaaa ataaatgtgg 360
 aggagcccaa atggcacaat taggaacatt ataaactgca ccgtgttcag agagccaatt 420
 atatgcaaga atgt 434

<210> 7216
 <211> 223
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189015f12b1
 <400> 7216

tttttcacgc gtcgccacg cgtccggagc aggccgagtt caagaggatg tacagtctta 60
 tttaggagta caagctgaag ggccatatcc gttggatctc cgctcagatg aaccgtgttc 120
 gcaatggaga gctttaccgc tacatctgtg acaccaaggg tgcatttgtg cagcctgcat 180
 tctatgaagc gtttggcctg actgtcattg aggccatgac atg 223

<210> 7217
 <211> 291
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189015g01b1
 <400> 7217

tgggacaggt tgggacagtt cgaagggagt tattgtcatg gacaatgagt ggtggaagaa 60
 ggcgagaaag gacattcctg gatgtggcaa gtttagaaaa aagcctcttc aaaatctgga 120
 gcatctttcc aaaatggttg gtgatatttt gaatgatgaa caagatcatt ggaatcccat 180
 gagtgacaac cccatcatc cccaagtca agagaatttt gttgatgttg ataatgttgt 240
 tggagttgga gagaaagaag gttcatgaca tccctgatga tattggtaat g 291

<210> 7218
 <211> 279
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189015g02b1

<400> 7218

tcacgcgtcc gccacgcgt ccgccacgc gtccgtgaat cgggagccta aatcatcggc 60

cgcgatttga gactcttttt ctcgagggaa gaatcagaaa gggacaagtc tgagatgaat 120

catacctttt gtttctatct gaagccactt gcttcctggc agtggtataa gaagagtggc 180

atgggggtttc cccacttatt atttcccttc tagcttcaat ctgtagtacg ctgtttctga 240

atgtacgaaa acaggccaat tttttgcatt cgatcttct 279

<210> 7219

<211> 282

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g03b1

<400> 7219

gcgctgacgc gtgggtcgca ctctacgaga cccgcagcct agagtcttac tcctatcacc 60

cgacccgatc tcctcctagg ttctgctccc caccaccgcg gaacgaaccg gaaatggcgg 120

cgcggcacct cagatccggc ctcccgtccc tccaagcccg cctcgcggtt aacgaatccg 180

aggacgaagg tcaggtgtcg agggggcctt caacggaggc ggataagcct aaggagaaca 240

agatcaaggt tccaaaagct ctgtatggcg gcacgggcaa ct 282

<210> 7220

<211> 194

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g04b1

<400> 7220

ttcagagcag aagcagaagc aggcaacagg cgagcaggaa ggaagcaaga gaggtggaga 60

tggcgcccat caagctgtac gggatgatgc tgtcggccaa cgtgaccgcg gtgaccacgc 120

tgctcaacga gtcggcctc gagttcgact tcgtcgacgt cgacctccgc accggcgccc 180

acaagcaccg cgac 194

<210> 7221

<211> 415

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g05b1

<400> 7221

cgtgactcag gagaagcccc ggcagccgcc gctcgagatg cagactcagc cgaaaacaag 60

ctctttcttat ggttccttca tgatgagggga tgctccccct gcctgagctg ccagcattca 120

tccagcggcg gccggcaaga ggggtgcggga tgcctcagtg cagtcacagg ccgcacccag 180

gcccggcttc cactgcggat tgcgagccag atcaacggct gaagggcttc cagcccatat 240

cccttactat tcagtagaga gtaacaagtt gcaccggcca ggctgggtga tgttgcggtt 300

gctagcacgc ctgaccctt ggaggggaaa ggacaagaaa taagagtaaa gtagcaagct 360

gcagcgatgt gtatatattca ctttgtccag cccaggttcc ctcccagctg ggctc 415

<210> 7222

<211> 408

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g06b1

<400> 7222

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gcgaggaggg acgaggacga cgccgacgag atgctgaggg ttgcggggag gaggctctcg 120

tcttcgctct cctggcgccc cgtggcgacc gtcggagcca ggggcccgtc cgccggcgcc 180

ggcggccctg ggagagacga cgacgacggt tcggcctacc agcggcggtt cgccatcgag 240

tcccccttct tcaccgccgc gagaggcttt tcttcggctg aaacacttgt tccacggaac 300

caagatgctg ggttggtga actcccagcc actgttgctg cactgaagaa cccaactca 360

aaaatccttt atgaccagta caaccatgaa agatatactc tgggagat 408

<210> 7223

<211> 451

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g08b1

<400> 7223

gtagaagtca agtgatgaga gcagcaagga gattgtctca agtcagccag agggaagcag 60
 tcccccgag ccagagaaag cttctgacag caatagtac ggaagctcat ctccgggcaa 120
 gaaaacaagt ggaagcaaac tttcagcctc agcacctcca ttcaaactg gatcgctctt 180
 atcgggtgtcc catccttaca gcacagtggc aatatatgat gctagcgttg tgcttcagcc 240
 aatcccaagt caagcaatgg agattctccc tcatgctgtc gatacttaga gtacctccgt 300
 ggtcctcggg ccaccttgta ctatcgact ggacattctt tccaaaggaa acagggttat 360
 acacagagcc agagcactat tctgaggggc agcacctccc ctccaaccat gaacccccat 420
 gctgctgagt ttgtgcctgg aaaaactgtg c 451

<210> 7224
 <211> 463
 <212> DNA
 <213> Triticum aestivum

 <223> unsure at all n locations
 <223> Clone ID: uC-tsrow189015g09b1

 <400> 7224

ttgtaagtag ccacaaaact catcaccaga gccagagag agacagagta ctacactcca 60
 gcgcgggccc ttccatttcg ctccgccctc ccgccttgct ccgttgctga gttcgcgtcc 120
 gctcgccagg aggagcagtt cgccgccgtt gaagggtcct ccccgctcgc tagccgcgat 180
 gaagaagggt gtgctcaagc tggatgtgca cgacgacagg cacaaggcca aggcgctcaa 240
 ggccgtctcc ggtctccacg gtatcgacca gctgggtgtg gacatgaagg accagaagat 300
 gaccatcgtg ggcaccgtcg accccgtagc ccgtcgtcgc caagctgcgc aagctcttcc 360
 ccggtgggca gnatcgtcct ccgtcggccc ggccaaggag gagaagaagg acgacaagaa 420
 gcccgccgga gacaagaaag agggcgacaa gaaggagggc ggc 463

<210> 7225
 <211> 264
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189015g10b1

 <400> 7225

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cttcttcttc ttccttcatg atgagggatg ctccccctgc cgcagctacc agcattcatc 120
cagcggcggc gaggcgagag ggcaggggat gcgggcagag cagacgcagg cccacccccg 180
gacggggcctt ccaactgtga tggggagcca catcaacggc tgaaggcctt ccagcccata 240
taagcgtact attcagtaga gagt 264

<210> 7226
<211> 464
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189015g11b1
<400> 7226

ttaccaagga gaagccccgg cagcagccga tcgtgatgga ggccgtccgg atcctcaagc 60
gcggcgagga gcccccggt cctcccccg cccctgcgcc tgtccaggca cgggcgcaag 120
ccccgccggc cgacaggcgg gtgcggtctc cctcccctgc ctcaccgccc gtcgtcaagg 180
cccgccccca agccccgcct ggggacaggc gcgtgcggtc tcctccccca gccacagcac 240
ccatccccgc ccgggcgcaa gccccgccgg ccgacaagag ggtgctccgg accaccagcc 300
ggatcggccc gcagcaaccc gccgtcgtgc caaccaagaa gatggtgccg ctgcgccgtcg 360
cagccagcta cgccggcccc gcgttctcgg ccgcggcccc ggagccgagc tctctcccc 420
tccttgggtt cttcttccgc cgcgccgagg aagaggccac ccgc 464

<210> 7227
<211> 252
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189015h01b1
<400> 7227

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cggcgcggc ggctcgagca gaggaagga agctttctac cctagcagag aaaaaaaaag 120
cagaggagag gaagcggagg cgacgatgtc ggcgatgact gcggcggtgc ctttctggcg 180
cgcgcgggg atgacctaca tcggctactc caacgtctgc gcggcgttgg tgcggagctg 240
cctcaaggag cc 252

CCAGCCATA

<210> 7228
 <211> 312
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h03b1

<400> 7228

tctgcagcag gtggccatgg ccgactcccc cgagttagct cgtgctcggg acgtcctgag 60
 cgtgcgcgcc gacgagcacg cgcgggtgga cgcgctctcc tccgccgcat ccgcatccgc 120
 atccctatca tcggccacta ctcatctgtc gccgagcttc ttcgagggat tcgcgctgcg 180
 cgggatccgc gtgctccgcc tccatccggg gttcatccac tgctcctaca ccgtcccccc 240
 gagectcacc gactccacca ccggctgcct cgccgccggg gcccgttgtc gccctggtcg 300
 acgagatcgg ct 312

<210> 7229
 <211> 409
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h04b1

<400> 7229

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 tggtgataca agtacgaatg actgtgttat tgctatggct agtggattat ctggtttgtc 120
 ggacatcctc actcatgata gcgttgaagc tcaacagctc caagcatgcc tagatgcagt 180
 aatgcaaggc ctcgcaaaat ccatagcatg ggatggtgag ggtgcaacct gcttaattga 240
 ggttactgta actggtgcaa ataatgaggc agacgcagct aagattgctc gttcagtggc 300
 agcgtcctcc ttggttaaag ctgctgtatt tggccgagac ccgaactggg ggcgcattgc 360
 ttgctctgtc ggatattcag ggattcattt tgatgcagat caacttgat 409

<210> 7230
 <211> 309
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h05b1

<400> 7230

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gcagagatgg gctccaccgc aaccgacatg gccgcctccg cgcacgagga ggcgtgcatg 120
tacgctctcc agctcgtctc gtcgtcgatc ctcccgatga cgctcaagaa cgccatcgag 180
ctggggcctcc tggagaccct ggtggccgcc ggcggaagc tgctgacccc cgccgaggtg 240
gccgccaagc tcccgccac gccgaacccc gccgcggcgg acatgggtgg accgcatgct 300
ccggtgctgct 309

<210> 7231

<211> 376

<212> DNA

<213> *Triticum aestivum*

<223> unsure at all n locations

<223> Clone ID: uC-tsrow189015h06b1

<400> 7231

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tgcttcacg cgccaccgcc ggccccctgc ttccacgcgc cgccggcggc cccgtgctt 120
ctagccgcca ctgtcgggag ccaccatagc gccaccaatc gccacgacca gtcgtcccta 180
ccgcccctt ggcgacctac cccaccccc cgcagggggc catcgcttcg tgtcaccgca 240
tccggtggcc acagcgtgcc gtccaactcg gcagtccaac tgcttgctcc acgntcgg 300
cgctcaagta gctgcgtgca ggcaaacatc tccacgggcg acaagttctt ctttcacaac 360
ttgttgctgc tgctgc 376

<210> 7232

<211> 327

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189015h07b1

<400> 7232

tcattctcga cggccgagct tacagcatca cgaaggatgt cttgcagctg tggatcaagc 60
tgcggtgctg gctcaaactg caactgcggc aagatgtacc ctgacttgga gaagagcggc 120

gccaccgtgc aggccaccgc cgtcgtcctc ggcgtcgggc ctgccaaggt gcagttcgag 180
gaggccgccg agtccggtga ggccgccac ggctgtagct gtggcgccag ctgcaagtgc 240
gacccttgca actgctaagg tgcaagcggc tgatgcgctt ctggtgattg tgccgtgtgt 300
gatcgagtgc gaataatgaa accgacg 327

<210> 7233
<211> 149
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h08b1

<400> 7233

ttttgggccg tgcgatcact tacgacatgg gctgaaggag gacctacgcc gcgcttgtct 60
actactcatt ctacaacgcc acggagtctg cgaagactgc gtctgctaata taggtctagg 120
gcgaggatgc tagatggaac tgcaaaactt 149

<210> 7234
<211> 134
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h09b1

<400> 7234

tgataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaggggc 120
ggccctttta gagg 134

<210> 7235
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h10b1

<400> 7235

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tttatttggg ctgcttgat ctatgctttc tgagctactt atgaactgga ctatttactc 120

caacaagggtt gcagccataa taacccttct gtttataatc gcgatcaacg tggcaatcgg 180
gatactaccg catgctgata actttgctca cattggtgga ttcctgaccg gggttcctttt 240
ggggttcgtt ctgctggcaa ggccacaatt cggttggttg gaacgcagcg agctgcccc 300
taccaatcag ccccccaagt acaaaccata ccaatatgtc ctggtggggtt gtggcactcg 360
tcttgctgct tgtcgggttc acgctttcgt tggatgatgct cttcaagggc aagaacggga 420
atgacggctg ccac 434

<210> 7236
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h11b1

<400> 7236
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gtgcggaagc ttggcgatcc cacgctgccg cccggcgggcg aggactcgcc gtttgcgggcg 120
gtctccggtg accggccgat tccggaactc tcctccccga cctccgtgcg ggtgcgcgtg 180
gcggcaacca gcctcaattt cgcgacgttc ctgcaagtgc agggcaagta ccaggagcgc 240
cccccgctgc cctacgtccc ggggtccgac tacgccgggc gtcgtcgacg ccgtcggctc 300
cggcggtgcg agattccgcc cgggcgaccg cgtctgc 337

<210> 7237
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h12b1

<400> 7237
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cccgaccctc gacgcgacat accgagcctt cctgtcacag agatgcccga ggaacggcga 120
cggaacgtcc ctcaacgacc tcgacccgac cacacccgac aacttcgaca agaactactt 180
cacaaacctc gaggtgaacc gcggcttcct tcagtcagac caggagctca agtcggaccc 240
cggcgcgggcg gggacgacgg cgccaatcgt cgatcgggtc gcgggcagtc aggaggcctt 300

cttcagtagc ttctgtgactt ctatgatcaa gatggggaac attaggcccg tcacagatcc 360
ctcccaggga gaagtcgga ac 382

<210> 7238
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a01b1

<400> 7238

cacctggcca ccatcccat caccggcacc ggcacaaacc cggcgaggag cctcggcgcg 60
gccatcatct acaacaggga gcacgcctgg tcagaccact ggatcttctg ggtcggcccc 120
ttcatcggcg ccgcgctcgc cgccgtctac caccaggtgg tcatcagagc gatcccgttc 180
aagaccaagt cctaagctgc tgttcttctt gctacaaaga agatgccaac ccaacccgaa 240
gagcaaagct ggcgtgttct gaatttctga tggggcggc 279

<210> 7239
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a03b1

<400> 7239

cgctcatca ccgacaagca cccatggggc tacatgcagt cgtcgtcgga cgaggcacag 60
ctgctgggga tgctgatcaa gatggcgggc gccagaaga cgatcgaggt gggcgtgttc 120
acgggtact cgctgctggc caccgcgtg gcgctcccgg aggacggcaa ggtggtggcc 180
atcgacaccg accgcgagtg ctacgaggtg ggccgccct tcatcgagaa ggccggcatg 240
gcgcacaagg tggacttccg cgagggcacc ggctggcg gcctggacga gctgctcg 298

<210> 7240
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a04b1

<400> 7240

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gtacgccaag ttctggaatg agtttggcaa atcagtcaag ctgggaatca ttgaagatgc 120
aacaaacagg aaccgtcttg cgaagcttct gagatttgag agttccaagt cagatggcaa 180
acttgtctcc cttgatgagt atatttcaag gatgaagtca gggcagaagg acatcttcta 240
ccttacagga agcagcaagg agcagctaga gaaatctcca ttccttgagc agctgaccaa 300
gaaaaaac 307

<210> 7241
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a05b1

<400> 7241

tcgcaccag ctctgccccg cccagcgcg tcgccaccg gcgcccgc aaacctcacc 60
caggcgggaa gggagcggca catcgagccg catctcccc caaacgcgc ccgcgacgag 120
aggagctcct gcatcccgcc ggtgccgct caccctcccc cggtcgccgc cctccggtgc 180
cgcgccaagg aaaggtttat tacctgcagg aa 212

<210> 7242
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a06b1

<400> 7242

tgatcggcgg ctatacaccg tgaactgcg cactagacta ggaagaaaat ggggtggaag 60
ggcgtcctgg ggttcgacta cggcgtcgtg caggcaccg tcggccccga catctccggc 120
ccggagctcg ccgcccgcgt cgccaacgct ggcgccatag gcctcctccg ccttcttgac 180
tggccggcgc cggaccacgt gagggaggtt gatacagagg accaggagcc tgaccgagaa 240
gccgttcggg gcggccattg tgctggcctt cccgcacgag gagaatctga gagtcgtgct 300
gga 303

<210> 7243

<211> 223
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a08b1

<400> 7243

cgatgagaca cagctggaca tcctgatagg cgtgctgtcg gtcaccacct ccgtgtcaat 60
atgccacgtg gatgacctct gtcgcgccca ggtgttcgta gccgagaatg agtcctcgac 120
gggcaggtac atctgtgaag ccacgacacc accctcgtgc agcttgccctc tctcctggcc 180
gaaaagtacc cacaatacca atgtgaaact tgaacgcttt gct 223

<210> 7244
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a09b1

<400> 7244

actatgggaa gaccttcaag aagccaaggc gtccgtatga gaaggagcgt cttgacgctg 60
agctgaagct gggtggggag tacggctctgc gggccaagcg tgagctctac cgtgtgcagt 120
acgccctcag ccgcatccga aatgctgccca gggagctgct caccctggat gagaagaacc 180
cccgccgtat ctttgagggg gcagcgctcc cccgccgcat gaaccgctac ggtcttctca 240
ctgaggaaca gaacaagctt gattatgtgc ttgccctcac tggtgacaac ttcctcagcg 300
ccgtc 305

<210> 7245
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a10b1

<400> 7245

tgcgcggaacc cggaagcctc gcttccgccg ccgtcgccgc cgctccgcac cgcgacgcag 60
agctcgcccc tgctccccta cgcaaggagc tcccggctct cgtcggcgca gggatttggt 120
caccatggcc cgcttgtagc ttggcaactt ggatgcccggt gtgactgctg ggggaacttga 180

agatgagttt cgtgtgtttg gagttttgcg aagtgtctgg gttgcacgta agccacctgg 240
 ttttgcgttt attgattttg acgacaagcg ggatgctgag gatgcacttc gtgatctaga 300
 tggcaagaat ggatggaggg tctgagctgt ctcgcaatga ccg 343

<210> 7246
 <211> 293
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a11b1

<400> 7246

tgatcatccc tgataccaaa gtcacatctt ttctccttga aatctttttg ggtccacaga 60
 tttggaggat gtcttgcaac tgcggatcag gctgcagctg cggctcagac tgcaagtgcg 120
 ggaagatgta ccctgatctg acggagcagg gcagcgccgc cgccgaggtc gccgccgtgg 180
 tcgtcctcgg cgtggcgctt gagaacaagg cgggacagtt cgagggtggcc gccgggcagt 240
 ccggcgaggg ctgcagctgc ggcgacaact gcaagtgcaa cccctgcaac tgt 293

<210> 7247
 <211> 210
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a12b1

<400> 7247

tgtacgcgtc cgagctcgcg ctgcgccgcc aaagctttga agtcgctact agggtttatt 60
 gcttcactc atcaagcgcc tagctagggt ttgcttggt ccagtcggga gaggaggcg 120
 agatgctgcg tcggaacacg cggcttcgct gggagtacct ctaccggaag agcctcgagg 180
 ggaaggagcg tcagcactac gagaagaagc 210

<210> 7248
 <211> 197
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189016b02b1

<400> 7248

ccccgccgcc tcaagatgca gatctttgtg aagaccctca ccggcaagac catcacctc 60
gaggttgaga gctccgacac catcgacaac gtcaaggcca agatccagga caaggagggc 120
attcccccg accagcagcg ccttatcttt gctggcaagc agctggagga tggccgcacc 180
ctcgtgact acaacat 197

<210> 7249
<211> 366
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189016b04b1
<400> 7249

tgtctccctg ctgctcctct ctccagttcg tcttcctcct tcggatcgag accttgagc 60
ctgctccatg gatctgttca tggagccgaa tggcgactcg gaacagagga ttagccatgg 120
gcagacgggg gatactggtg ctgctgggcc tatagagtcc caggcttcta ttagcgtcgc 180
cgagggtgac attcgccgtg tcggagacct ctgtagcggc ggcggaaatg cgtgatttgt 240
tggtcaggac ccgctctgca agtgtgttcg gaggctacga gcggatggac acacatagta 300
agggatcagg aaagcccctc cggagcgca gttcaaccat aaccggaaaa gtgcgcttga 360
actatc 366

<210> 7250
<211> 339
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189016b05b1
<400> 7250

tggacttctg cgagaggggtg gttgaatttg cctattggat taacattgga acacgagata 60
tacaaggcag cagcatccct taggagctac agtcaggttt caaggataaa cccgagaaaa 120
tctattccac gtgcagtcct tagaggagca agtggacttg ctatcttgac agttgtaaaa 180
gctggtgcat ttcttacata caaacttgga actggcttag tagttgctcg taaatcagat 240
gggtcatggt ctccaccctc tgctatagct tcagctggat taggatgggg agcacagctt 300
ggcggtgagt tgatggattt catcatagtg cttcatggt 339

<210> 7251
 <211> 295
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189016b06b1

<400> 7251

tgtctagctg tgatggagac tatgtaacct cagtgactaa aatgtgcgcg ggggttctaa 60
 ataccattca aaaactcatt tctgaagttg acgagggata tatcttagat gatagatgtg 120
 tacgtgctgc tcccaaacct gtgaaggatg atgcttcaag aagtaggttt ctatcagaag 180
 aacagattca gccaaaccgaa tcatctgctg atcccactat caattgtttc tcatatcggt 240
 actacctatc taacatttgg gcgaattaca acaggactag agatgctctt aagat 295

<210> 7252
 <211> 153
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189016b09b1

<400> 7252

catctcctct tccacaaccg gccaccgtcc cgatctgaag gtctccgacc agatcagcct 60
 cctccccacc acggcgtgcg gcgaggagtc cccggatcgc tcgccgtcac ccagtgcggt 120
 gcagatctgg gagtccgccc tcaccaagca ttc 153

<210> 7253
 <211> 301
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189016b10b1

<400> 7253

tgccccgactc taatcaggtc atctaatacct gaaacagaag cacttcggaa gagcagccag 60
 gcctactgtg ctcaaccagc ttgtgcagag ccatcctgca tgatacagcc atcgtgcaca 120
 gccccacaa catgcttttg ccctcggttc ttctcgaagt cgaagaaaga tcgaaagcca 180
 aagcctgaag ttgtcaacca ggtccgcca tggccggagc tcatggcaga acctagtgt 240

gctcgatcaa tgtcatttgt tggcacacac gagtacttgg cccctgagat tatcaaaagg 300
t 301

<210> 7254
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016b11b1

<400> 7254

ctgggggaac ccgacggaga tggacgccga cgacaacaag tcgctggcgt tcgagggcta 60
cgagacggtg aggatcgcca aggaggccgt ggaggccgcg tgccccgacc tcgtctcctg 120
cgccgacata ctaccatcg ccacacggga cgccatcgcc ctgagcggcg ggcccttcta 180
ccaagtggag ctggggaggc tggacggcct gagctccacg gccagcagcg tggccggcaa 240
gctgccgcag cccaccagca cctcaacca gatggtcgcc atgttcaggg cgcacgggct 300
caacatgtcc gacatcgteg ctctctcagc ggcgacacc gtggggctcg cgcactgcgg 360
caagttcagg accggggtgt acggcagccc ggcgacgcg acgct 405

<210> 7255
<211> 273
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189016b12b1

<400> 7255

tgngcagcat tgggtgagag acaaggagaa gccaatcagg aagtgcgccg gccggcctca 60
cgccatggct tgtcacgtga aggccattgt gtttggcgcc gccgtcctgg cagcatttgt 120
tctcgcgact gagggccgcg ctgctcggaa ggacctgggg ctgggcctcg acctcggcgg 180
cggcggcggc ctcggggtcg gcacgggcgg cggtctggga gtcggcaccg gtggtggcgt 240
gggcatcggc taggaatcgg tgtcggcatt ggc 273

<210> 7256
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016c04b1

<400> 7256

ttttaccgat atggatggac agtagcacta ccaagcaatg cagagaagta gaaaatgctg 60
tcggaggagc attggagtta tctaagctga caggggtctcg tgcctatgag agattcactg 120
ggccccagat acggaagatc taccaaacag caccatcatat ttatgaaaat accgagagaa 180
tatcttttggg gagctcattt atggcatcta tccttggttg atgctatgca agtattgatg 240
aaactgatgg tgctgggatg aacttgatgg atataaacia gaggacctgg tcaaaagctg 300
ttttagaggc aactgctcct gatcttgaac agaagctggg aaatctggca ccggcacgtg 360
cagctg 366

<210> 7257

<211> 388

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016c05b1

<400> 7257

tgcaaccctt cctccccctg tctctcatt gtctctgcgc cccgccccgc tccgctccga 60
cggccaaccg ctccacacac cactagcctg cctgcctgcc tgctgcctg ccgccaaggc 120
aagatggtga agatctgctg ccttggggct ggctatgtag gtggcccaac aatggcggtc 180
attgccctca agtgccctga cattcaggtg gttgtggtag atatcaccaa gtcccggatt 240
gatgcctgga acagtgcac actgccaatc tatgagcctg gccttgatga agtcgtgaag 300
cagtgcctg gaaagaacct cttcttcagc aatgacattg agaagcatgt tagcgaggct 360
gacatcatct ttgtgtcggg aaacaccc 388

<210> 7258

<211> 358

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016c06b1

<400> 7258

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ggcggcgcaa ccgaagcccc tcatggcccc ctcgtcctcg cagtcccagt cctccgtcgg 120
 cgggtgccggc gccgccggat cccgcccggc caccgccggg ccccgcgga cgcccgccgc 180
 cacggtggc atgcgccgc gaccggccg cactctctc tccggtccg gtggcgagg 240
 cttctccggc ggcgaggga acaacatgct gcgttctac accgacgagg ccccggggct 300
 gcgcctctcc ccgaccatgg tgctcgtcat gtctgtctgc ttcacgggt tcgtcacc 358

<210> 7259
 <211> 170
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189016c08b1

<400> 7259

cgcacgcacg cagcacaca gccgccacca cccccaccg gccacctcg cgcccgcttt 60
 gccctgctct gcgcgacgc gactagccc atcgctctc acagccgcgc ctactgccgt 120
 gctgaccatg aaccgcccga cgccggcgca ccacaggggc atgccgccgc 170

<210> 7260
 <211> 349
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189016c10b1

<400> 7260

cttgcggcc taagtcaaag ccgcctcgtc ggcggcgcgg acgatggaaa ccaaaccgga 60
 ggagccgagg gtggtgacgc tgcggccggt ggaggccacg ccggagtcct tcgcgccctt 120
 cgggcaggtc atcgccgcct ccccgacgg cgaccagttc ggcccccacg acgcccagct 180
 cgacctcaac cgcgccatcc ctaggttcta catcatgaga ttggagagca ggccgctcag 240
 gttctcgacc atcaccacc acgccagcgt cagcagtgct ctgggctcca tcggcgcca 300
 ggactggtac ctcggcgtgg ccaagccttc cgtcgtggac gagcacggt 349

<210> 7261
 <211> 250
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189016c11b1

<400> 7261

tgggcatcga tcagcgcgcg cgcgcgacaca gacttcgata atcatcgctcg gcttccgagc 60
gagaccggtc caatcttcca agaaaacgcc ggaggggatg agggaggagg ggctgcggat 120
ggcggaggac gcgcccggca ccaccggccg gccgcggtgg ctgacgcgcg tccgcacgct 180
cggccggggc gcgtccggcg ccgtcgtgtc gctcttcgcg gccggcgacg gcgacggcga 240
cgagctgctc 250

<210> 7262

<211> 466

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016d04b1

<400> 7262

tgttccagct agctacctag ctacgggtac agcagctcag tcgcatggc tcacatcctg 60
ggcatccact cacttgcct cctcctctc ctggcctctt cgtcggcgctc taatgacatc 120
gtgcttggcc ggaaggccgg cgcggtgtg gaggcacggc cagcaccggg gaagtacgcg 180
gtgatcatgg atgccggcag cactggcacc cggtccacg tcttcagggtt cgacaagagg 240
atggagctcg tcgacgttgg cgacgacatt gaggtcttcg ccacggtgaa tccgggactg 300
agctcgtacg ccggacggcc acaggacgct gccaaactca tcatgcctct gcttgagaag 360
gccaacaccg ctgtgcctcg gtcactcatg aggagaacac ccattaaact tggggcgacc 420
gctggactca gactcatagg agacgagcac gcggagcaaa ttcttg 466

<210> 7263

<211> 263

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016d06b1

<400> 7263

ttttggccgc taccacagg ccatcggaag cttggtggct gtgttcctgt catccttcgc 60
cacaatgtgc atcttcacca gtggcacgct ctacgccatt ggcggtctct gcatcaagcc 120

ggtcctggtg ctgcgcgtgt ggatcctcta cttcctgttc ccgctcatct cgctgccgct 180
gctccacccg atccagatca tcatccgcgc cgacgccgtc cgcatgcagc tgctgggggtt 240
catcatcgcc ctcttcgtct ccg 263

<210> 7264
<211> 351
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189016d10b1
<400> 7264

tgcgagcgcg tgggtcggaa cgtggcctct gggcaggtgt tggtcacgtc ggaccagaca 60
ctgatggacg agacgccgac gaccggcaac aagacagcgg tcatggtagc cgacaacgcc 120
gccaatccta tcacgtggat ggtcaagttc gcggtggcca tggatgaagat gggaggcatc 180
caggtgctca ccgggaccga ccccggcgaa gtaaggaagg tctgcttcgc caccaacaac 240
gcgagctaga atccgtggag ctgcatgtac gatgactaaa caaaagtgc cctgggcagc 300
tagagccggt gctcttagtt ggtttaatcc tttttgtttt ggtttcattc t 351

<210> 7265
<211> 420
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189016d11b1
<400> 7265

tgctgcaa at gatgtgat acttggttgt ttcaacatga gtacgggtca gtaggaaggt 60
caaccgtggg gaggcgcaac atagcgcggc ctacgccaat taggtgtcct atctctttgc 120
ccattgcttc tatggaactc ttttggttgg cttatgaagg cacattcatc ctgcaagtac 180
aatcatgatt aagagttaga atgcccctgc acatccgttt actttcttac attgattggt 240
ggttcttatg ccttggtataa tacgccttct cacataatag tttggtaaag aaagaatgaa 300
ctcactcctg aattttgcac taattatata cttatttcac tattaataat ttgtatttgc 360
tatatctttt ctcatgagtt cgtcaagtac ctttctaaac atgcttagat gcttttttgt 420

<210> 7266
<211> 406
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189016d12b1

<400> 7266

tgattgtttc tccttgacgc cctccttgcg ctggcctcat ggcaggccac tgcctatgat 60
cctagccctc ttcaggactt ctgcattgcc gacatgaagg cgcctgtgcg agtaaattgga 120
tttgcttgca aggacceaat ggccgcaacc ccggaagact tcttcaacgc agccatgctc 180
gatcagccta gggatactaa ggcgagcaag gtcaggctca acgtcaccaa catcaatgtt 240
ataaatttcc ccggcctcaa caccctcggc atctcgttgg cagcctatga ctatggacca 300
ttanggtgtg aacacgccac acatacacc ttcgtgccac tgagctcctc acggtgctcg 360
aggggacact ctaccttgga ttgtcacat ccaacccaaa caggct 406

<210> 7267
<211> 196
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016e03b1

<400> 7267

gagttcaagg aggccttcag cctcttcgac aaggacggag acggctgcat caccaccaag 60
gagcttgga ctgtgatgcg ctgctgggg cagaacccca ctgaggcaga gcttcaggat 120
atgatcaatg aagtggatgc tgatggcaat ggaacgattg actttcctga agttcctcaa 180
cctgatggca cgtaag 196

<210> 7268
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016e04b1

<400> 7268

tccacgcgtc cgggttgatt ggcagcggcg gtggctgaag gtgaggcgct gctggagaca 60

gctgctgcta cactggagga tgcgatgggt cggtagggga ggtagggtga ggacccatga 120
 tgccgacgcc ggcagccagt ggaacactgg tcagtggacg ggtctcgtaa gccgccatcc 180
 ttgttgacat atcatggagt tgttcctgga gggttgcaag ttgctcttga tgcagcgccc 240
 atatttttgt gtcaggaagc gtgaactgat actcggtggt aggttcggca ccagacatgg 300
 aatctgatac caaattggaa caaccctgg gtctgatgg 339

<210> 7269
 <211> 290
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189016e05b1

<400> 7269

tgtgtaaccc cgccttcgcc atcgtcaaca aggccactgg tctcgccgtc aagcactccc 60
 tcggccagtc ccacccggtg aagctcgtgc cattcaaccc ggagtacctc gacgagtcgg 120
 tgatgtggac ggagagcggc gacgtcggca agggcttcgg ctgcattcgc atgggtgaaca 180
 acaatccgcc tcaactttga cgccctcaac ggcgacaagg accacggcgg cgtgcacgac 240
 ggcaccaccg tcgtcctctg ggagtgggccc aagggcgaca accagagctg 290

<210> 7270
 <211> 245
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189016e06b1

<400> 7270

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 tgaaaatgct ttgagggctt actttcggct atgctttgag atttgagcgt tttctttgtc 120
 ctacatatcg gtgcatttac ttgggttaat tgtgcaagtt gcaagaataa gtggccctat 180
 gtgaaatagt atactctttt tattagtggga acttgtttaa cgcagaaaaa aaaaaaaaaa 240
 aaata 245

<210> 7271
 <211> 362
 <212> DNA

<400> 7273

tcttccaatt ccattccccgt ccccgatgac gagcacacaa ctccaattcc ccaagcttaa 60
ccccatggcc ggctaccccc cccccccggt ctccggctac ccctacggcg ccgctggcgg 120
ctacggagcc ccaccgcctt cgggccagaa gcccccaaa gaaggcaaga cctcttcctc 180
ctccggcccc gacccttacc acggtgctcc gccccgcag cagccttacg gcggaggcgg 240
cggcggctac ggagccccac cgtcctacgg ccagaagcct cccaaggaag gcaagacctc 300
ctactcctcc ggctccgacc cctaccacgg cgctccaccc ccgcagcagc c 351

<210> 7274

<211> 115

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016f02b1

<400> 7274

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gcgcaaccga aaagtcagggt aggcgcggca caaagctcac aaagcaagaa aggcg 115

<210> 7275

<211> 148

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016f03b1

<400> 7275

cttctcgatc tagctagagc catggcgccg accaaggcgg aggggccggc catcggcac 60
gacctcggca ccacctactc gtgcgtcggc gtgtggcagc acgaccgcgt cgagatcac 120
gccaacgacc agggcaaccg caccacgc 148

<210> 7276

<211> 304

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016f04b1

<400> 7276

tctgtgattg atgaggtgag gactggcgct taccgccagc tcttccaccc tgagcagctt 60
atcagtggca aggaggatgc agccaacaac ttcgcccgtg gtcattacac cattggcaag 120
gagattgttg atctctgcct agatcgatc aggaagcttt cagacaactg cactgggtctg 180
cagggattcc ttgtcttcaa cgctgttgga ggtggaactg gctctggcct tggttcgctt 240
ctcctggagc gtctctctgt tgactatgga aagaaagtcc aagcttgggt tcacagtta 300
ccca 304

<210> 7277
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016f05b1

<400> 7277

tgtcacacga ggcttgagag agagagagag agagagagag agagattacc atgtgaacag 60
gcccttcttt ccctgcttc gggccaagct taccgcgacg acgatggcga ggctgctgct 120
tctcgggttc tccctgctgc tgctcacggg gctcaggccc ggccgcgctt tcctcgtcgc 180
ggaccctcag cccgacgtct cagacgacgt gccggcgctg ctgcgcttca agaaggccat 240
ctacgacgac cactcgcga ggctgtcgga ctggaactcc agcgaccggg atccctgcct 300
gtggttcggc gtcacctgct cggatttcga cgccgcgtg gtgactctgg act 353

<210> 7278
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016f06b1

<400> 7278

tggtgatgtc tttccggaat ctctccgttt ggagttcgag aggacggcaa gtcgaaggcg 60
tcgatttcga gccaaattca catgtccaaa gatttgtgga cggttgcaat cagatgagat 120
accaattggt agcaaagatg gcagtgcagt tactgttgcg gcggagaaca ttgtttttca 180
cgatgcagcg gtttctgaga aagtaacact gggttcattt gccggagact acgaccaaga 240
tgatgacaat gcggcagctt taggtgaata ccttaagcga ccagtgcgct tggcgagtta 300

tgcatgggct caaggaggaa ggttttgcac agagcattac cccttgggcg gcatatattt 359

<210> 7279
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016f10b1

<400> 7279

tctccacgc gtccgccac gcgtccgca gaagaagcga gatccagatc gagctgagct 60
gagctgcccg ggccgccgga gctgagctga gctgctctga ccgccggagg cgaagaagaa 120
gaagaagaag agcaagaaga tgaagcggaa gacgcggaac aagatcgtgg tgacggtgct 180
gctgctgggg gcggcgggcg tgctgatcgg cggcacgctg gcgctgatcc tgacggcggg 240
cacctggaag gtgaagctca aggagtcgca ggagaagggtg tgcaacaagg ggtggggagt 300
gctccggcac caagtactgc tgcaaccaga ccatcaccga cttcttaagg tgtaccagtt 360
cgagaacctc ttcgccaagc gcaact 386

<210> 7280
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016f11b1

<400> 7280

tcttccacgc gtccgccac gcgtccgtgt gatctgacaa tggagttcaa gaaacaaaaa 60
agtaaagcga atgctgctgc agctgcaagg aaccgtcatc tttgtgagaa ccttgccggac 120
agttgctttc ctattaatca agggcattct gccagccgac ttcattgaatt tttcttgccg 180
caattctgtg atgctcatalc ttgcaatggg ggctccaaac ctttcccaa aggtggcagg 240
aaacaaacaa acagattcta cctggctctc tgcattctga caatgctgct tttgcctgtg 300
ttctatctca tagtattttt acaccagagg gaaatgaaga agggagatca agttttcaaa 360
cgaatcgga aaccctgca caag 384

<210> 7281
<211> 157
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016g01b1

<400> 7281

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ggcggggccg agctgcccta caacaccacc gaggacgccg gcaacgccac ctctttctcc   60
ggctaccgcg agacggacct cctcacgccg attgccaccg ccggcgacat cacgcagatc  120
caggcctcgg tcggattggg cggcacgctc ttcgccg                               157
```

<210> 7282

<211> 322

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016g04b1

<400> 7282

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gcgtccgccc acgcgtccgc ataaacgctc ctgcaagcga gaccttcctg ccactcccc   60
gtgtgggtcaa tgtcatgggt gccggagccg ccccgacacc atcgcttctt gcggcgctgt  120
ctatccgtgg tttccgtgtc acccacactt acggcctgtc tgagacctat ggcccgtcga  180
cgggtgtgcgc gtggaagccc gagtgggacg acctgccgct ggaggagcgc tcccgcctgc  240
actgccggca gggcatcagg tacaccgcgc tggaaggctg gacggtggtg atcccgagac  300
aatgatccct gtcccggctg at                                           322
```

<210> 7283

<211> 298

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016g05b1

<400> 7283

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cacgacagat ttctgggctg ggcatttacc ctgctgtcga tcctttggac tcgacatcaa   60
gaatgctttc tccccacgtt ctgggtgtgg atcactacaa cactgcccggt ggtgtccaga  120
aggttcttca gaactacaag aatcttcagg atatcattgc cattttgggt atggatgagc  180
tcagtgagga tgataagatg acggttgctt gtgcaaggaa gatccagaag ttctgagcc   240
agcctttcca tgttgccgaa gttttcactg gtgctccagg aagtatgtgg atctaaag   298
```

<210> 7284
<211> 140
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016g06b1

<400> 7284

tggacgcgtg ggtttggttc gggcttcggg ggaaaggtaa ggccggggcg gggaggaagg 60
cccacaagcc aatttgggat tctttttctt cccttcaggc ccgggattcc ggcccttggc 120
ggctggccga acgggctggt 140

<210> 7285
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016g10b1

<400> 7285

gccgcctgct ccggggctcc caccgcggac accattgcag acaccagctg cgcggccgag 60
gcgattgttt gcacgacgtc catggcttcg cctcagggca ccaacacaac tcctgataga 120
gtcgaatcac cacaccgacg aagccttttc ttgcaagaat tcaagaatca gttccctgct 180
gtcgaattc cacaacaaaa tggcatgcat gctcccggtc gcaggtacgg gtagcaaaat 240
ccccctttct atcaacctgg gtatcagacc taccgatcat ccgcttcaac ccagaaatca 300
tccgtccaaa gccaaacccc aatcgtcagt ccgaatttcc aaaaccgcag cacgaatcgt 360
gaca 364

<210> 7286
<211> 210
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016g11b1

<400> 7286

ctccccaacc agcgaggaag aggaagagga agcggatcga gccggcgaga gcgagggcga 60
ggacgatggc ggcgctccgg ctagcgggga ggagattttg cgaccgcgcg ctcgggagat 120

cagcgggcat tcacgagctc aaggctgcca aggaattccc cgacattgat cctgggcatc 180
tcaaggctgc caggaaacac cccaaacttc 210

<210> 7287
<211> 68
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h01b1

<400> 7287

cttgaccaa gagcttattt gttttgagct tccatcattg cattcatctt tcttggattt 60
gctccatg 68

<210> 7288
<211> 200
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h02b1

<400> 7288

tgcatacatc gactttgaga agctggaaga tgccattttt gcccatagag ccttgaatgg 60
ggcagattta gggggcaagg aattgtgtgt tgatttccag aggtccagag gcagagcgga 120
acggttgaa gcaggcaact tcaacagtag aggatcattg ccacccggtg aaatgggagt 180
tggacatgca aagggtttct 200

<210> 7289
<211> 159
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h03b1

<400> 7289

ttttatgaag gagcaggaga tgtaaaggca attgtaaatt ttgctctgtc gcagggtcaaa 60
ggtcttctca gagatagggtt ggatggtaag acatcaggag gttcaagtgg caaaacctct 120
ggtggctcaa gggagaaaaa aactgaacca aatgaatca 159

<210> 7290

<211> 244
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h05b1

<400> 7290

gggcgctcct ccccgctcc ggcagcggcg gcgccggcgg cggggagcgc ttgagcatcg 60
 acgacgcgct ggcgctgcac gcgggggagt tcgggcggtg gcagctgtgg cacttcctgc 120
 tggtgacggc ggcgtggacg ctggaggcga tgcacaccat ggtgatgac ttcgccgacc 180
 gcgagccggc catgtggtgc cccgcggggg accgggcggt gccgcgacc ctgcgccggc 240
 gccg 244

<210> 7291
 <211> 261
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h06b1

<400> 7291

gctcttggtt ggttgatcac caatggtgca ggtcttgcac cttaccccat tgacactgtc 60
 cgcagaagga tgatgatgac ctccggagag gccgtcaagt acaagagctc cttggatgct 120
 ttccagcaga tctgaagaa ggagggtgcc aagtccctct tcaagggggc tgggtccaac 180
 atcctccgtg ccattgctgg tgctggtgtg ctctccggct atgatcagct ccagatcctc 240
 ttcttcggca agaagtacgg c 261

<210> 7292
 <211> 271
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h08b1

<400> 7292

tttctcacgc gtccgccggc ggcggcgcgt agaacaggag aaggagcagg cggcggcggc 60
 gccgaagag gagaagcacg gcgacctagc ccgagctcgc aaccatggct aggggtttga 120
 agaagcatct gaagaggctc aatgccccgt ctactggat gcttgacaag cttggtggag 180

cttttgcccc caagccatca tctggctctc acaaggccag ggagtgcctg cctctgatcc 240
tcatcctgag gaacagactg aaatatgctc t 271

<210> 7293
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h11b1

<400> 7293

cccgccgcca ccgccggcaa ccaccggatc cggagaagaa agaggcagcg cccggcgaag 60
cgaagcgggg gaagagatgg tgggcactcc gtcctcgccg gtggtgaacg tgtaccgcgt 120
cgccaactac acgttcggca ccaaggaggc caagatggag aaggacacct ccgtcgccga 180
ccgcctcgct cgcataaagg tcaactacat gaaagaagga atgcgaacaa gtgttgaagc 240
aatcctattg gtgcaagagc acaaccacc ccacatacct gttgttgcaa attggaaaca 300
cattttgcaa a 311

<210> 7294
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h12b1

<400> 7294

gggcgccatt attgcagagc ttttttcaca ccgacctctt ttccctggct caagtgaagc 60
agacgagata tacaaaatct gtagcattct tggcacacca aatcagcata cttgggctgg 120
aggactgcag ctggcagcat ctatcaattt tcagtttcct cagtctggaa gcataaatct 180
ttcagaagtg gttccacag caagtgaaga tgcgctgaac cttatttcgt ggctttgctc 240
atgggaccca cgtaaacggc caaccgcagt ggaggttttg cagcatccct tctttcagcc 300
atgcttctat gtccccctt cacttcgttt cagatcgacc ggatatgcaa caacaccacc 360
atcagttggg gctaaaggag ctatggacca gaagaatgct a 401

<210> 7295
<211> 382
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a01b1

<400> 7295

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tccacgcgtc cgccacgcg tccggccacg cgtccggtgg actccgtgtg ggcggagcga   60
agtgaggagcc aacgccaagc cagccgagcg gactcctctc ctctctgcag cagttcgcga  120
ttcgccccca aatccagcgc cctccccgcc ggaatccggc gccgaatctt gcagagagct  180
tgaaccgagc tatggacaac ttgtggcatc tcggagatga gttccgtggg caatcaaagg  240
tggtggagga ccgccaatgg tctctcatga catcaaagct ggctgagatc acaaagtcaa  300
aggctgagag gatgaatgac tttgagtatg cacggatgaa caccgtccct gatgtgaagc  360
aatgggataa gttatcctac ca                                     382
```

<210> 7296

<211> 358

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a02b1

<400> 7296

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ttttcttttt actggcatgg aacaaaacgc gggccgaac gtgggggtcgg tgaggggctt   60
cggcgatcatc gacaacatca agaccagct ggagagtgtg tgcaagcaga ccgtgtcctg  120
cgccgacatt ctgaccgtcg ccgtccggga cttcggtgtc gcccttgag ggccatcgtg  180
gactgtcccg ctggggagac gggattccac caccgcaagt gcctcgctgg cgaacagtga  240
cctccctggc ccgagctcta gccggtcaca gctcgaggcc gcgttcctca agaagaacct  300
taacacggtc gacatggtcg cgctctcagg cgcgcacacc atcggaagg cccagtgc   358
```

<210> 7297

<211> 450

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a03b1

<400> 7297

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ggcgtgttca tggacaacac caggcttgcc attgctgcga tcggcaagct catgtttgcc   60
```

cagttctcgg agctggtgaa cgacctctac aacaacggtt tgccttccaa cctctccggc 120
 gggcgcaacc cgagtttgga ctatggcttc aaggagctg agattgccat ggcctcatal 180
 tgctccgagc tccagttctt gggcaacccg gtgaccaacc atgtccaaag cgccgagcaa 240
 cacaatcaag atatcaactc tcttgggtctc atctcctcca ggaagaccgc cgaggccatt 300
 gacatactca agctcatgtc atccacattc atggtcgcct tgtgtcaggc catcgacctc 360
 cgccatctcg aggagaatgt caaggatgcc gtcaagaact gcgtgaagat gacagccagg 420
 aagacattga gcaccaccaa caatgggcac 450

<210> 7298
 <211> 167
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a06b1

<400> 7298

tcaacgtttc ttaagagagc tgcagttcga ttcaggccac aattgggtcaa gactgtcact 60
 gccaaactata gtaccaggaa acctctgctg tggcgccctat tcaccttcaa accttaccct 120
 gaatctaact ggagatcttt taagggtgcgt tgggatgagc cgtcaac 167

<210> 7299
 <211> 336
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a07b1

<400> 7299

acgcgtgcgg tggctctgaa tccacttaac tattgactga gaccacgatg gaaaccagag 60
 agatagttac atctgaaacc acgcagtgtg ttgcatcaga cgagggtccag agcaccatct 120
 tggcatccga tgctgttggc actttggatg acaaggtaga tagtgacggt gaagacatca 180
 tcgatcatca cgtggatgag gacaggatca ccgaagtgga gctgtggcaa caacttgaaa 240
 acgagctgta ccggaaaagg gaaggggaga acaacatatt ggaagagatg actgaaagta 300
 acatctgcga ggaagttggc ggcagagctc aagatg 336

<210> 7300

<211> 416
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189017a08b1

 <400> 7300

 ttccacgcg tccgcttttt tttttttttt ttacaaagac ggaacaccat tctgatggaa 60
 acaatacata ttatgtacag aattattcag gagttcttta gccacatcca aatagcgggt 120
 ggcagacatg catggcgtag caaathtagc aaatgcataa gttatacagc aagcattttc 180
 tgttgccggt tcgcatcttc gctgctgata ccacaacgac gatggagcct agccgactac 240
 tacggtacta ttgaagtttc tttctagcga tacaccgaaa ccaagatcga ctccacgagg 300
 gctgacgatc agaccagaac agagcctact cctccttcga ggcgtgcatg gcggacaccg 360
 tggagaccat ggagtcgacg ccgcacttgt tgcgcacggt ggagcccctg cagatc 416

<210> 7301
 <211> 485
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189017a09b1

 <400> 7301

 tctaagcagc aatggagtcg ctgactctgc gcgcctcgcc gtcgtcgacc gcctcgccgc 60
 tgctccgcct gcccggccgg cggcgcgagg cgtccgtccg cgtctccgcc tccgcctccg 120
 gcgcccggca gccggacctg tccgtgaccg tgaacgggct gaagatgccc aaccggttcg 180
 tgatcggctc cggccccccc ggcaccaact acaccgtcat gaagcgcgcc ttcgacgagg 240
 gctggggcgg cgtcatcgcc aagaccgtgt ccttggatgc tggaaaagtt atcaatgtaa 300
 ctctcgccta tgctcggctc agggcagatc ctaatggatc taccaagagt ccaatcattg 360
 gatggcagaa cattgaactt atcagtgatc gacctctcga gacaatgctt aacgagttca 420
 agcaactgaa gaaggaatac cctgatagga tactcattgg ctcaataatg gaggaataca 480
 acaaa 485

<210> 7302
 <211> 369
 <212> DNA

gacctctaca acggcctctt catgtacaac aagaactcga cggacctgct caaccgcctc 240
gagtccgtca tggactccgt caaaaagagg ctcttcgacg gccctcacga ggtgctccgg 300
aagcagctct 310

<210> 7305
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b01b1

<400> 7305

tccacgcgtc cgtctcgatc tagctagagc catggcgccg accaagggcg agggggccggc 60
catcggcatc gacctcgga ccacctactc gtgcgtcggc gtgtggcagc acgaccgcgt 120
cgagatcatc gccaacgacc agggcaaccg caccacgcc tcgtacgtcg ccttcaccga 180
ctcggagcgc ctcatcggcg atgccgcaa gaaccaggtc gccatgaacc ccatcaacac 240
cgtcttcgat gcgaagcgtc ttattggcag aaggtttgct gatgcccctg tccagagtga 300
tattaagatg tggccgtaca aggttattcc tggccccgca gacaagccta tgattgtagt 360
gcagtcaagg gtgaggacaa gcagttctca gctgaagaaa tttcttccat ggctctcatc 420
aagatgcgtg agatcgctga 440

<210> 7306
<211> 305
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189017b02b1

<400> 7306

tccacgtgtc cggctcccct acccacaccc agacacaaca ccacattggc gccgccaccc 60
aacgccccat ctcccttga ggctcggacc ttgccgccgn gccccccccc cccccctac 120
ccacccttg agcgaggagg aggtcggtag gcatccccag atctgttaag ggattcgaac 180
tggagctctc gatcgctcac gcgccgggca caacctccgt ctgctcttat tgctcgccgg 240
cgacgcgagc atggagcttc ctccgtgctc gcttgggctc gggacaccgc tgctagtcaa 300
gacac 305

<210> 7307
 <211> 387
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b03b1

<400> 7307

tggcggtttt tgccggatgg cccgtggtgg atcacagtgg gctactcagg tccccgaccc 60
 cggggacaac ttctccggca tgccggtcgt cgacctctcc agccctggcg cgccgcgggc 120
 catcgccgac gcgtgcgagc gcttcggctt cttcaagctc gtcaaccacg ggggtgcccgc 180
 ggacacgatg gacaggctcg agtcggaggc cgtcaggttc ttctcgctgc cgcaggccga 240
 caaggaccgc tccggcccgg cctaccctgt cggtacggc agcaagcgca tcgggctcaa 300
 tggcgacatg gggtggtctg agtacctgct cctcgccgtc gacgccgct cgctctccgc 360
 cgcttgcgcc gtcccgtcct gcgcgct 387

<210> 7308
 <211> 305
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b04b1

<400> 7308

tttgattctt tgccagtctg ccttgaagcc aagccagtag aacgttctgc aggtgatatg 60
 attggactgg gtggttcctt ttcaacaaaa gaaaccgaga ttagatgtac aaaaggaaca 120
 gaaactcttt ggtcagatcg catctccgga aaagttactg tcttggtctg taatgcaaac 180
 ttctgggcag ttggctgtga agatggctgc ctgcaggttt acacaaaatg tgggatgcga 240
 gcaatgccag cgatgatgat gggctcctcg gctgttttta tagattgtga tgactgctgg 300
 aaatt 305

<210> 7309
 <211> 211
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b05b1

<400> 7309

cccacgtttc cgaccacacg tccgtcggcg ccacgagggg ccccggcctg gtgaagagga 60
tcggcgaggc cacggggctc gaagtcagag tcaccggtat tcagtagcc ttcgcgccgt 120
gcatacgagg tgtgcagaga tccgaggtgg gggcggtgct acgagagcta cagcgaggac 180
cgccggatcg tgcagtcctat gacggagctc a 211

<210> 7310

<211> 340

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b06b1

<400> 7310

ttcaccttat ctctacacc attgaccaga cggcggggct cacctgcccc cccttggcct 60
tccacatcgt cctgctggct tccccggttc ttctcgttt ttgatctcag tcaactcatgt 120
cttttgaagt cagcgagggg tccccttatt tgctctcgcg ctacttctgg ttcatatatc 180
gcataaaaatt ccgggacttc acttgataca agtggatcat ctggagtttt gtgcgaatac 240
ttcctatcat gtgaatcagc ggtagttggc ttaattggca agactcaaac ttctctcatc 300
tgagttcaga aacatttggt gcttgagtct ttggtgtact 340

<210> 7311

<211> 396

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b07b1

<400> 7311

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agggcacgga ggaggacgtg cggtcggcg cgaaccgcta ctggagcac cagcccatcg 120
gcacggcggc gcaggcgggc ggcgcggacg agaaggacta caaggagccg ccccgggccc 180
ccttcttcga ggccggggag ctacacctct ggtccttcta ccgggcccgc atcgccgagt 240
tcttgccac cttctcttc ctctacatct cggtgctcac cgtgatgggc gtggtgggca 300
accgctccgg gtccaagtgc ggcaccgtcg gcatccaggg catcgccctgg agcttcggcg 360

gcatgatctt cgtgctcgtc tactgcaccg ccggca

396

<210> 7312
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b08b1

<400> 7312

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tacgaagcac gcctcggcta cagcattgaa gaccttcgac ctgctggagg cgccaagaag 120
ttctctgctg cataactcgaa ctgcgcgaag aagccatcct gatatcgttt ttggcatccc 180
cttctcgtag tttaggattg ttatgcaatt ttattctgac tcttttctcc caccaatctc 240
tctggcttgc tgcttcacga taatcgacca gttctctagt ctttctccct ctgttcctct 300
ctgctctgct ctctgactcg aactgcaaca atggctgccc cgacctctgc gatcggggtt 360
gagggctacg agaagcgctt cgagatcacc ttcttcgagg catcaatctt t 411

<210> 7313
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b09b1

<400> 7313

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ctgtcaaggt gttatctgtc gaatcaacac aaggactaat ggagtttctg aatgaactga 120
tgtcaatttc caacatatct catggcaatc ttgtcagcct ttatggctat tgtgtggaag 180
gaaaccagag gatccttgct tacaattacc ttgagaataa tagccttgca caaacacttc 240
taggttctgg ccgcagcaat atccagttca attggagaag tagagtaaatt atttgccttg 300
gtatcgcccg aggattagca tacctccatg atgatgtcaa tccccacatt gttcatcggg 360
atatcaaagc aagcaatata cttcttgata aggatctcac 400

<210> 7314
<211> 330

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189017b10b1
 <400> 7314
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 gacgtccggc aatggccgcc ggggccgcaa gtacaggtac gaggaggacg acctggacgc 120
 ggagaccgcc aggagcagca agctgatgat gccggacagc gaggagaccg gcgcgcgcga 180
 gatgttcgac gaaataatgc tggaggggta cgagacgtgc atgcgaggga tagaggagct 240
 gcgcctcgcc atggacagcg aggccaaagaa gaagaacggg aaggcggcgc gcgcgaagaa 300
 aagcgagggt gtcgacctgc gcacatgct 330

<210> 7315
 <211> 380
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189017b12b1
 <400> 7315
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 agcaccacag ctgagctcga agagcaatgg cggaagcagg ggaatggctg ccgtgcgtct 120
 ccacgtggc gtcctgcctc ctcggttcg cgctctactt ctacgcgcc tactggggag 180
 tccgggcgt gccgggccct cgggcgctgc cggtcgtcgg ccacctgcc ctgctcgccc 240
 tccacggccc cgacgtcttc ggcgccctcg ccaggaaata cggccccgtc ttcaggttcc 300
 atctggggag gcagactctg ggtgatctg gccgaccgg aactgtgcag gaggtcgggg 360
 tccggcagtt caagagcatc 380

<210> 7316
 <211> 423
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189017c01b1
 <400> 7316
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cctccgcctc cgccctcgac gatgggtctc tgggatgcca tgtaccgct ggtgatgcgc 120
 cgtaacggcg tgtacgtcac ctctgctcgc gccggcgccct tcgctggcga gcggctggtg 180
 gactacggcg tcaacaaggt ctgggagatg aacaacgtcg ggaaacggta tcaagacata 240
 tcagttcttg ggcaaaggcc ggttgaggag tgaagacatt gaagcccaga tttcccatga 300
 tcttttaagt gaaattaggg accttataaa gctccatgtt ttggcatttt cttttggcac 360
 aataatattg taaaactctt gctgggtgtt attcactctc tctgagcact atggcaccca 420
 tct 423

<210> 7317
 <211> 437
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c02b1

<400> 7317

gagctgttcc gcatgatggc ggaggcggac gcggacggcg acggcttcat cagcctggag 60
 gagttcgcg cgctcaacgc cacggcggcc ggcgacgacg aggaggacct gcggctggcc 120
 ttcaaggtgg tcgacgcgga cggcagcggc gacatctcgg ccgcggagct ggcgagcgtg 180
 ctccacggcc tcggcgagaa ggcgacggtg cagcagtgcc ggcgcatgat cgagggcgtg 240
 gacaagaacg gcgacggcct catctccttc gacgagttca aggtcatgat ggcctccggc 300
 ttggccgcca agatggcctg acccgctccat cctcttggtg attcagcgat ttcgtccaag 360
 cctccctccc tccttcctct cgcgtgccgt gcggtgcggt gcggattaag tgcaattaa 420
 gtgtacataa ttcaagg 437

<210> 7318
 <211> 172
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c03b1

<400> 7318

cccacgtttc cgcgaattct gtacattagg ttgtcctttt tcatttggtta caagcagcta 60
 tatgtcatgt tagattcggt tgagtgagta atggaacttt taggtctact tggcatgcca 120

ctgcaactta ctgttaactc ttactgcagt tatatttcac gtttagattgg ac 172

<210> 7319
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c04b1

<400> 7319

tcgaccttcg agccccctt ctccacctcg tcaactgtgt cacctagctt gagctcgagc 60
gaaggagcga ctccggcagga cgcggggggg caggggcagc agccagccgc gcctggcccc 120
gtgctctgca ggcgcccacg ggcctcgacc cggccgacgg caggaggagc tcgagccgaa 180
gccgaggagc ggggccttga tccggacttg actgcctact ggagcagctg gagagaagtg 240
gtggatccga cggggctgga atccctcac accgggcgtg gaggatgtat gactcgcgaa 300
ggaggtagca gattgagcaa aatggagtgg cttttcccat 340

<210> 7320
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c05b1

<400> 7320

tgaaatacac aacacgtaca tcattcagag ctagtcgacg ggcaatggca ggtcaggccg 60
agaaagtgtt cgtccccacc gacgacgagc tgctccaggc gcagtgcgac ctgtggcgcc 120
acagcctctg ctacctcacg cccatggcgc tccgctgcgc cgctcgacct ggcaccccca 180
cggacatcca ccggctacgg cggcgccgcg tccccgtccg agctcgctgc cgccctgtcc 240
ctgcccgcgt ccaagctgcc gttcctcgcc cgctgtctcc gccagctgc caccgcgggg 300
cgtcttcacc tccaccgacg ccgtaacgta ccggcttaac 340

<210> 7321
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c06b1

<400> 7321

ttgaggacct cgtccccctc cagcccgtgg ggcgcctcgt gctcgaccgc aacgtaggca 60

acttcttcaa cgagaacgag cagctggcct tcggtccggg gctcgtcgtg cccgggatct 120

actactcgga cgacaagatg ctgcagtga ggggtgttcgc ctacgccgac acgcagcgct 180

accgactggg gcccaactac ctgatgtcc cgtcaacgc gcccaagtgc ggcttcaaga 240

acaaccacta cgacggcgcc atgaacttca tgcaccgtga cgaggagggtg gactactacc 300

cgtcacgcca cgcgcgcgtc cggcacgccg agccggacag ctccccgtg cccacgcggg 360

ccgtcgtcgg aaaaaggag aagacgagga tcaagaagga g 401

<210> 7322

<211> 311

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c07b1

<400> 7322

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ccatggagaa cggcgacgaa accctcgtct ccccgccgc gccgcctcc gtggagggtc 120

agaagggtgc gcccaacgga gacgtcgcg gcgaggaggt caccctcgcc gacgccgtcc 180

accccgccaa gtcctacgcc gccgtcgccg ccaacgccga gatcgaggac ctccgcgcca 240

ccaagctcga cctcgaggag cagctcgcca acgccagcca ggagaacaag accctcgccg 300

cggaggccca c 311

<210> 7323

<211> 361

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c08b1

<400> 7323

ttgcaaatca ccgggtggtt ctattgtatg atgtccagac gcataatgtt gatatgcagc 60

ttcctgataa ctccagcctg ccagggtcag gccgggggtg acaaccatt atacatttca 120

gtccttcaga tgatatgttg ctgtggaacg gggctctgtg ggatagacga agtcccactc 180

ctatccatca gtttgaccag ttcacagact attgtggcgg tggctttcat ccagctggaa 240
acgaggtgat tctaaattca gaggtgtggg atctgagaaa gtttaagctt ctgaggagtg 300
tcccatccct ggaccagaca gtaatcaaat tcaatggagg ggtgatgtta tctatgctat 360
c 361

<210> 7324
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c09b1

<400> 7324

ttgcgtcctt ctgtttgaag aagcacgcgc agttctagag caggagtggg gggcctgtca 60
tcctgatact cttggcgtgt acagcaacct ggctgcgatc tatgatgcca tgggaagggt 120
ggaggacgcg atcgagatcc tggagcacgt gctgaagggt cgggaggaga agctgggcac 180
ggcgaaccgg gacgtggtgg acgagaagaa gcggctggcg gagctgctga aggaggcggg 240
gcggtcccgg aaccggaagc agaagtcgct ggagaacctg ttcgggtccg gcggtgctgc 300
gcggggtgcc aagaaggacg gcgccggggg caggcggtgg accaacttcg ggttcagggg 360
ctgagctgat gagaagaaaa c 381

<210> 7325
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c10b1

<400> 7325

ttccaccacc accgaggagt gtttcggagg aggcggggga gcgcgtggtg cgcacacgta 60
tatgtaataa ttttagtgcc gcaagatagg gtcttcttct ttggttcttg atagagtttt 120
ctatggaatc cggccgcctc attttcggtt cggccgcgcc gtgccgcgct gccggcggcg 180
gaggaggtca gatgatgctc tttggcggca gtgggagctt ccttggaggc tcgccggtgg 240
tggccggcgt ggaggacggg cggcgtaaga ggccgttctt gacaacggtg gacgaggagc 300
tccagatgga cgaggagatg ta 322

<210> 7326
 <211> 378
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c11b1

<400> 7326

taccacgcg tccgccacgc gtccgcccac gcgtccggca atggcttacg atacgaagtc 60
 cctgacagtc cttattgttg gccgcctact ctgtgggttg ggttctgcaa gagctgtcaa 120
 ccgacggtac attagtgatt gtgtccctgc aaggatacgc atgcaagctt cagcaggatt 180
 cgtaagtgca agtgcacttg gcatggcttg tgggccagcg ctggctgggt tacttcagtg 240
 gagatttaaa atctacatgg ttacgttcag tcagtcgact ctacctgggt gggtgatggc 300
 agttgcatgg ctactgtact tagtttggct atgcatctca ttcaaggaac caaatcgtgc 360
 cactgaggca gatgatac 378

<210> 7327
 <211> 394
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsrow189017c12b1

<400> 7327

tacagcgcca ccgcgactgc gccactcctt gcgttccgag tgacagaggc catggcgctc 60
 gccacctccc accaccgcca cctcgtcgcg cccgccgcg cgccccctcg cgtgccgctg 120
 cgtccccctcc gcttcgccgc cccccgatct ctcccagagga tttgttgcca atctatcaac 180
 tcagctaacg tcttgggagc ttcctcaatg acagctgacg acgcagttcc acaaccagtt 240
 gtactgatag accaagactc agaccgtgat gcaaccattg tgcagctgag ttctggagca 300
 tcgtttgggg gcactacttg atacgatgaa ggcaactcaag gacctgngcc ttgatgtgac 360
 gaaggaagtg tggcaactga ttcactctgtc acac 394

<210> 7328
 <211> 297
 <212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d01b1

<400> 7328

ttttgacgag caggtggtga aggatgggta ccaatggcgg aagtacggac agaaggtgac 60
caaggacaat ccgtgcccga gggcctactt ccggtgctcg ttcgcgccgt cgtgccaggt 120
gaagaagaag gtgcagcgca ggcgccacga caagaccgtg cttgtggcca cgtacgacgg 180
cgatcacaac cagcacctgt cgccaagca acaaggctct ggtggcagga agaggggcgg 240
cgcagccgtc ctccacgtat caccggcgcc ggtgcttggt caggagcagc ggaagca 297

<210> 7329

<211> 413

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d02b1

<400> 7329

gtcgggtaca ggacggagtg gctgaccagc tgcgcggtgc tctccagcaa ggtggccgcg 60
ctcgcccccc actccaccaa cagccacctc gcgctggcgg tggcggcttc gaacggggcg 120
gtgcttgact tgggtccctgt gaagaccgtt gatggcagcg ctgcagcct gccggcgccc 180
ctgcggatcg cagacctgtc cccggcgccc atgcacggct cggagctgcg cgtggcgtag 240
cagggcggtgc ctggggcgta cagcgagaag gcgtccgga aagcctaccc gggctccgac 300
gccatcccgt gcgaccagtt cgaggtggcg ttccaggccg tggagaactg gatcgcgagc 360
cgggccgtgc tccccgtgga gaactcgctc ggtggcagca tccaccgcaa cta 413

<210> 7330

<211> 434

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d03b1

<400> 7330

tccacgcgtc cgcctccgcc tcccgcgtc catttcgcac ctccaacctc ctgctccgac 60
ctccaccgtc gctgccatgg cgcggccagg gcactccacg gcgtggctcc ccctcctggt 120

gctgctcttc gcggcgggcg cggcggcgca gagcggctgc ctctccgca ccttcacggg 180
 gggccgcacg ttcctcaagt gcaaccagct gcccggtgctc ggccgagcc tccactggac 240
 gtaccacgcc gggaacggca cggccgacat cgctttccgg gcgccgtccg gcgcccacgg 300
 tgggtcggct ggggcatcaa ccccggcagc agcggcatgg ccggcagcaa cgtgttcac 360
 gccttcaact ccaggctgca ccgccgtaac ctacaggagt gctaacggcg tgggaggggc 420
 gtgctgatcc cgct 434

<210> 7331
 <211> 460
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189017d04b1
 <400> 7331

tctccacgcg tccgcggacg cgtgaccac gcgtccgcca aattccctcc caacttctct 60
 acctctccgg cctccacca ggagagccct aagccggaag cgccttacc ttaagctctc 120
 ttgacctctc cccatggcgt ccgctgtgtg cctcttggcg ccggccgcca ccggcgcggc 180
 gccgggcgct ctccggtct ccgcctccga atccagaggc gtcttcgccc gcggggcggc 240
 ggtccctgag aggacgcggc gcaggtggga ctgctcgtg gtgtgctgg ccccgacga 300
 ggagaagatt acgcggcgct cgcctctcga tttcccatc gaatgggaga aacctagcc 360
 tgggaggaga cctgacatct tcccaaagtt cagccctatg aaaacacat tgcccatcc 420
 attaccagct gatgatcctc tggatgatga tgaggaagaa 460

<210> 7332
 <211> 432
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189017d05b1
 <400> 7332

ttgctgttga atgggcccgtg tttggttggt ttttcaatag tggtaagtt tgagtgcaa 60
 cttctcgtct acttctccat gagaaaattg cagagcgatt tttagataga ctagtgaat 120
 gggcaaagaa cataaaaatc tcagaccac tggaagaagg ttgcaggctg ggttcagtca 180

tcagtaaagg gcagtatgaa aagattaaga agttcatctc gacagcaaga agtgaagggtg 240
ctacaatttt gcatgggtgtt gaccgaccaa agcatctcgg aaaagggttc ttatttgaac 300
ctacaattat aacagacgtt agcacatcaa tgcaaatttg gagagaggga agtcttttga 360
ccagtcacat gtgtcaaagt attcaagaca gagagtgaag ctgtagagct tgcaaatgat 420
accactatg gc 432

<210> 7333
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d06b1

<400> 7333

taacacatca ggaatacaca agagaaaaga agacccaacg gagctgaaat caaatggcat 60
cctccccttc tttccttctc ctgctgctc ttcttgctt ggtctcatgg caggccgttg 120
cctccgatcc tggcccgctc caggactttt gtgtcgccga catgcaatca ccagtgcgtg 180
tcaatggatt tgtctgcaag aaccgatgg aggtcaacgc tgatgacttc ttcaaggcag 240
ccgccctcga caagcctagg gtgaccaaca aggttgatc caacgtcacc ttgatcaatg 300
tcatgcagat tgctggactc aacaccctcg gcatctcaat cgcgcgcac c gactatgctc 360
ccttaggccca gaaccaccca catacgacc c 391

<210> 7334
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d08b1

<400> 7334

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agcaaccttg gcgacggctc catttgata ttggatggg tcgagccgtc gacaacggaa 120
gataagctcg gagcaactgg gtgctgcaat ttggcctgga atgatagtcc ctcctctctc 180
cactgctcgg tgcaactcgc ccaagtggat caaagcgaaa ctgtgccagt atcggatcgt 240
cgtgggttctc tctgagtcgt aggggtatat tttgtcactg tcagagtgcg tgtggtaaaa 300

attacaaact cgtgaatcgt gatcgagcat aatggaactt gtgaaacttt acaagcatct 360
 gtggagagaa ttccgggagt gaattgttac cccatttggt ctttgatcaa tgaatgtttc 420
 ccattggcgt c 431

<210> 7335
 <211> 329
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189017d09b1
 <400> 7335

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 agatcgtatg tcgcggagtt catcgccacc ctctcttcg tgttcgccgg cgtcgggtcc 180
 gccatttcct acgggcaact gacgcagggt ggcgcgctag acccggtcgg ccttgtggcg 240
 atcgccatcg cccatgcctt cgccctcttc gtcggtgtgg ccatggctgc caacatctcc 300
 ggcggccacc tgaaccccg cgtcacgtt 329

<210> 7336
 <211> 372
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189017d10b1
 <400> 7336

tgccacgcgt ccgcccacgc gtccgccacg cgtccggagc tcacgacgtc ccttctcgga 60
 acgtccaacg ttcgtgcgtt ctccgccgcc aatcttcccg tgggaagcccc gggcacgctg 120
 gcgctgcggg ggaggtacaa cgtgacggct gcccgaaggc tctccaagtc atcggagatc 180
 gtgacctgcc acgacttgaa gtacccgtat gcggtgtact actgccacac atccaacccc 240
 accgccgtgt acgcggtgac gatggagagc atggaaaggg gcgcggcgcc ggcgacgatg 300
 gaggcgctgg ccgtgtgcca cctcgacacg tcgcagtgga gcctgaagca cccgttcttt 360
 gcgctgacaa cg 372

<210> 7337

<211> 398
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189017d11b1

 <400> 7337

 ttccacgcg tccgctcctg cagtggatca ggtcattgac caccgcccga tgcggcgctcg 60
 gactagcgga tccacgctgc tcttccacct cccgaccaat gcccccgcc cgtcctgctg 120
 ctcacctcct cctcacatat gcatcaacaa aacatggcag ccgctgcagt ccacatcggt 180
 caacagtagc aggtcaactc ctccaaggtc acacaagctc gccgcaaaa gccacggtc 240
 tattgagcca gagatggcac tggacgctgc cgtggccggt catctggatc ggagccacca 300
 acccagctcc gatagagggg ggctggtagc agccccgttg aggggattgg gcactatctg 360
 cagctacaag tggcatcgac ctgcagctgc gggagcgt 398

<210> 7338
 <211> 293
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189017d12b1

 <400> 7338

 gggggcgcac cggacaccgc ggcacgtgcg gtgctcttcc ggccactgga ccctacctcc 60
 ggctgaaccg tttccagggt tggcaggccg ttaagcagaa aagataactc ttcccagggc 120
 ccccgccggc gtctccggac ttcctaactg cgcgtcaac cgccacattc cggctcggga 180
 aatcttaacc cgattccctt tcgggggatg cgcgtgatcg cgctatctgc cggggttacc 240
 ccgtccctta ggatcggctt acccatgtgc aagtgccgtt cacatggaac ctt 293

<210> 7339
 <211> 367
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189017e01b1

 <400> 7339

 ttcgtatcca ggcacgatc agcgcgcgcg cgcgcacaga cttcgataat catcgtcggc 60

ttccgagcga gaccggtcca atcttccaag aaaacgccgg aggggatgag ggaggagggg 120
 ctgcggatgg cggaggacgc gccgggcacc accggccggc cgccggcggt gacgcgcgtc 180
 cgcacgctcg gccggggcgc gtccggcgcc gtctgtctgc tcttcgcggc cggcgacggc 240
 gacggcgacg agctgctcgc ggtcaagtcg gccggggccg tcgacgcgca ggcgctgctg 300
 cggcgggagg gcggcatact ggctcgcctc tgctccccgt acgtgctccc ctgcctcggc 360
 tctcgggt 367

<210> 7340
 <211> 428
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e02b1

<400> 7340
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 tacaacaatg atagatctag agatttcaca aatccatctt tgcccacaga gcaacgcca 120
 agatcctctc agcttggtta taatgatcct agcctttttg gtttccaaca gcctggagct 180
 gcatatggac aggetgcagt gattgctgct gcatttggcg gaacattgcc tcctggagtg 240
 actggtacca atgatcgctg cacacttata gttagcaact tgaacagtga taaagtcgat 300
 gcggataagc tcttcaatct attttctatt tatggaaata tagtgagaat caaggtactc 360
 cgcaacaagc cagaccatgc ccttgtccag atggctgatg ggcttcaggc tgagcttgct 420
 atacacta 428

<210> 7341
 <211> 330
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e03b1

<400> 7341
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 actaggggta ggggttacgt aacgaacccg cgccatggct accttcactt accaggtgag 120
 cgcgatggct ggcgcctccc cgtcgtgctc tctcttcgtg agccggcggc ggccggcggt 180

catgcccctg cagatgcggg ttgctcgtgg cgggaggccg cgcgggttgg cgatgcaggt 240
gacgagcgag aaggtggtgg gaatcgacct gggcaccacc aactccgccg tcgcggcgat 300
ggagggccgc aagccgactg tgatcaccaa 330

<210> 7342
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e04b1

<400> 7342

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cctgctccaa gcaagtcgtc atcgccgact gcgccagct ctagatccgt ccgcccgccg 120
gtcgctgtc gtcgtcgccc cgtgtcccgt gtcgtcgatc taaataagag agtcgtgtgt 180
cgtgtcgtgt cttccccttg tccgtccgat gagatctccg tggttggttt aggagggttt 240
taggtggact cttttggccg ctggatctgt gtccggcggc catggttatc ttctgtgtc 300
tgctgctatc tactgtttg aatgagatga actccgctat gaattatcca taatttgtgc 360
tcgttggctt cac 373

<210> 7343
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e05b1

<400> 7343

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ccgctacatt tcttcatgca tacacatgcc ttccccttgc ccaagcaaca agacaggctg 120
ctaccgcagt tttgcaggac attgctgatt cgggagttct gtttgcactg ttgatgtgtg 180
atcacaaggt tattagtctt gtgggagcac aaaaggcaac tttgcatgct gatgatatat 240
tactacttgc aaatttcata ttgtcctccg aatcttttag gacttcggag tctttttcac 300
ccatatgctt gccaaagatac aatcctatgg cttcctata cgcttatgtt catttttttg 360
atgaaaatac ttacttgact cttcttacct gagatcagat gccttctttg atttgaaaga 420

<210> 7344
 <211> 325
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e06b1

<400> 7344

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 tttcttgagg tccaggcttc ttcccacccg aatcctacct acaagccctt cgcccacttc 120
 attccgctcg cctcttctgt gatattatct attatcgctg cctgcttttg gactatcctt 180
 gctgtcacta atcctgcaaa agccatcaaa acatctctct ggacagctcc tgtttccgca 240
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 ctcatagtgt gatcgccatt gcagc 325

<210> 7345
 <211> 318
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e07b1

<400> 7345

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 accccgaatg gcgacggcgg tcacggcgtc cgtgacggcg gcgaccgct tcacgcgcct 120
 ggcggggcgc gccctccggc gcagcagctg ccgccccac accgcccgtgc gcttccagcg 180
 cccggggctc accaccaccg cgctcctcag gccaccgag ctcaagcca aggaccaggg 240
 ccagcccagag acgctcgact accgcgtctt cctcgtcgac ggcgccgacc gcaaggtgtc 300
 cccgtggcac gacgtgcc 318

<210> 7346
 <211> 368
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e08b1

<400> 7346

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ttcaagtcta aggaatatgt caggagacc ttctcgtggc agcattacta ttggtacctc 120
accaacgatg gcatcgagtt cctgcgcaac ttcctcaacc tgccatctga gatcgtgcct 180
gccactctca agaagtctgc caggcctcct ggccgccctc ttggctctgg ccacactggc 240
gaccgcccac gggggccacc tcgctttgag ggtgacagac ctaggtatgg tgacagggat 300
ggctaccgtg gcggtcctcg tgggtcacct ggtgactatg gtggtgagaa aggtggagcc 360
cctgcaga 368

<210> 7347

<211> 341

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e09b1

<400> 7347

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acgtggacgt cgtgtactgc caccggcccg acgcgacgac gccgatcgag gagacgggtc 120
gggccatgaa ctgggtgatc gatcaggggt gggcgttcta ctggggcacg agcgagtgga 180
ccgcgcagca gatcaccgag gcctgggggg tggcgaaccg gctcgacctc gtcggggcca 240
tcgtcgagca gcccgagtac aacctcttct cccgccacaa ggttgagtct gagtttgtac 300
ctctctacag tacttatggc attgggttga ctacatggag c 341

<210> 7348

<211> 403

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e10b1

<400> 7348

ttcggacgcg tgggtggcga tatttctgct attcctggaa tttcagctgc tcttgaggaa 60
actataaaaa atgctattga agactcaata acatggccag taaggaaagt cattcctata 120
gtacctgggg actacagtga tctggaactg aagcctgtcg gcacattgga agtcaagctt 180

gtgcaagcaa gagatttgac aaacaaggat ctgataggaa aatcggatcc ttttgccact 240
 ttatatatcc gaccattgcc agacaaaacc aagagaagta aaacaattaa caatgatctc 300
 aatccccattt ggaatgaaca cttcgagttt attgttgaag atgctgatac tcccagcgtg 360
 acagtcaaga tttatgacga tgacggtatt caagaatctg atc 403

<210> 7349
 <211> 456
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189017e11b1
 <400> 7349

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 atcgctcgtc agcgagcacg agtctgagat ttcccgatta cgaaatgaaa taaatcagtt 120
 gcatggtcag ttaaggaagg ctggtgttct actggaagaa aatccagcaa ctgaaattcc 180
 cagaaaagat cttgtagaga ttgacacctat taataatgaa aggagggaaa aggttaagga 240
 ggctatgctc catgcctgga attcctatgt aaagtatgca tgggggaactg gtatgagctt 300
 cagccacaat caaagaactg gtgttaatag ctttggcggg cttggggcaa cccttggtgga 360
 ctctctagat aactgtata taatgggcct aagagatgag tttcagaagg ccagagactg 420
 ggtggcagag tcattaagct ttgacaggat tatgac 456

<210> 7350
 <211> 471
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189017e12b1
 <400> 7350

tgggttttctt cggtgctgat gcaaggtggt tggtgtatct gagaattcag aatatggggt 60
 ctcggtttcc atcccaccaa ttaagcaatg ggctttatgt ctctgggcga cctgagcaac 120
 caaaggagaa ggctccggtt gtttgctctg cagctatgcc atacactggg ggtgacatca 180
 agaaatcagg agaactaggg aaaatgtttg atctccatgc tgagaagtca cggaaatctg 240
 gccctttggg taatcaacct tcaaggaata cttcatttgg tggtgctgct tccaattctg 300

gaccagtatc tagtgctgct tctcgatcca actactctgg ctctatttca gcagcggttc 360
 ctggcactgg aggttcggca agggcaaaat ctaattctgg accgctcaat aagcatggag 420
 aaccaaaaag agatcctctg gccctcagtc aggaggagtg accccaatgg c 471

<210> 7351
 <211> 344
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f01b1

<400> 7351

ttccacgtgt ccggtccgtc cgtccgctcg tcggcttaaa ccctagacga gccgcccctc 60
 ctccgactcg ccgcccgcgc cggttgccat ggagttctgg ggccttgagg ttaagcctaa 120
 ccagtccgtc aaggtttcac ctgatgatga ccacttcctc catctctccc agggggccct 180
 tggcgaagtc aagaaggatg acaaggcaac catgttcgtc aagatcggcg accagaagct 240
 ggccatcggg accctctcta ccgacaagtt ccctcagatc cagtttgacc tcgtcttcga 300
 gaaggagttt gagctggcac acaattccaa gacatccagc gtct 344

<210> 7352
 <211> 356
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f02b1

<400> 7352

atagctgtcc cgatcctcga tctgttctca accctccctc cgtccgctcg agctccagat 60
 ttccctcccc atggctccga tcaagatcgg catcaatggg ttcggccgga tcggcaggct 120
 tgtggccagg gttgcgctcc agagccccga tgtcgagctc gtcgccgtta acgaccctt 180
 catcaccacc gactacatga cctacatgtt caagtatgac actgtccacg gacagtggaa 240
 gcaccatgaa gttaaggatga aggactccaa gacccttctc ttcggtgaga aggaggttgc 300
 ggtgtttggc tgcaggaacc cagaggagat cccatgggct gctgctggtg ctgagt 356

<210> 7353
 <211> 442
 <212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f03b1

<400> 7353

ttcccactcg tccgcggaag cgtgggtgcc tggcccaaga gcttagcctg ctctgtgaat 60
ttgatagttt aaagacacag gaacttcttg ataggccttg cagtggcatc aatggcttag 120
tcgcatcttt tgttgcacga ctaaggagg agaatccttc tcgtgagcat actattgtaa 180
gaactgcaca aaaacttaag ccattccctt ttaacaagtt ctcagcaa at ggctatcatg 240
atctcctgcc gtgcgggctg cgtcccaagt tccaggatgt tgatagcgat gagtctgctt 300
cctctgaggt tctctgcctg atatgtcgaa gtccattcag tgaatcagaa ctccagaatt 360
ttgaaagcac aaggcgcaag tctcagaaga aaattgatct gtatactgct tattgctgtc 420
aaagctgtca tttccagatt ct 442

<210> 7354

<211> 359

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f04b1

<400> 7354

accaccgtca ttactactag aggaagcttc aactgttggt ctcttgctct ctagctagta 60
gtggttgcta tcggtgctac taccgccgcc gtccaaaccc tagccctgat gccgcagcag 120
gaggtgcccc accagatcgc cgcagggtgg ctgcggtgg aggcgccgga gcgaacgggg 180
agcctccaga ggagcggctc caacagccgc ctcaacgcgc aggcgccgga attcgtgccg 240
cgggtcgcgg ctggtggttc caccgccaca gccaccgccg gcagtgattc gtgtgtttgc 300
ggtgccctcg cctccacctc gcgcggcttt ctttgcggct ccccgccctc ccccgctcgt 359

<210> 7355

<211> 269

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f05b1

<400> 7355

ggacaaccag cgacagccgc cacttcgtcc agctccggcc ccgggaggat cgcttcgctg 60
 ccaaatacgct cgtcgacggc gggatggggg aggcgtcatc tccggcgatc gccaaggatg 120
 tcaccgagct gatcgggaac acgccgttgg tgtacctcaa caaggtgacc gacgggtgcg 180
 tggggcgcgct cgccgccaag ctcgagtcca tggagccctg ctccagcgtc aaggacagga 240
 ttgggtacag catgatcacc gacgcggag 269

<210> 7356
 <211> 255
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f06b1

<400> 7356

gggggaggcg tcacttacgg cgatcgccaa ggatgtcacc gagctgatcg ggaacacgcc 60
 gttggtgtac ctcaacaagg tgaccgacgg gtgcatgggg cgcgtcgccg ccaagctcga 120
 gtgccatgga gccctgctcc accaacaagg accggactgg gtacaggatg aacaccgacg 180
 cggaggagaa ggggtccatc gtcccaggca agagtgtgct gattgaacca accagtggca 240
 acacaggcat tgggc 255

<210> 7357
 <211> 53
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f07b1

<400> 7357

tgttatcatt cccattctga taggactgct aacaatccat atgaacaaaa gag 53

<210> 7358
 <211> 322
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f08b1

<400> 7358

ttcggacgcy tgggttctcc tccccttcg gttcgggttc tggttcgggt cgggttcggt 60

3089

tcgagagaga ggccgagtag ctagcctagt ctagggtttc ggtagagagg aagtgagatc 120
catggcggag acggagtacc gctgcttcgt gggcggcctc gcctgggcca ccgacgacaa 180
caacctccag caggccttca gccagtacgg cgagatcctc gacgccaaga tcatcaacga 240
ccgcgagacg gggagggtccc gtgggttcgg cttcgtcacg ttcggcagcg aggagtcgat 300
gcgccaggcc atcgaggaga tg 322

<210> 7359
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f09b1

<400> 7359

ttcccacgcg tccgccgacc acccccctct agctcggcag ccatgaactg cggaaggggt 60
cccgtccgg cgaccatggt gcgctgcagg cagtgcagcg ccagcgtcgc cgcgccgccc 120
gggtgectgtg ccgtccagtgc cgcgcagtgc tgctgcgtga ctgcgctcgg cggggctggg 180
cgacagctca gtgtgatgcg ccccatcccg aacttcggcg gtggccgcgg caagaagcgc 240
gccgtgctcg tcggtatcaa gtacaccaag acgcgtgcct gcgagctgag ggggtcccatc 300
aacgacgtca agtgcattgag gtac 324

<210> 7360
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f10b1

<400> 7360

tggaaccatg ggtggaagcg gctcacatga ggaggggcaa cagctcaaca tggcttgggt 60
ggcaattctg tgctcgtagt gtggcgggggt tgctcggtcg gtcgacgcgt ccagaggag 120
gcggtctgac ttacgtcag ggcagcggcc ccggaggagt tggcggcggc ggtcgtggtc 180
tgcggggggt tgccctgttc agcttgggtt gtgggtgact aagtcgtgcy gcattgcagc 240
ttgagggaga gcggtggtat gtcgggacgg cgggtcccga aggtggtat 289

<210> 7361

<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f12b1

<400> 7361

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ctgaaagggtg ctttcaccta ccgtgaacag caatacaatg cttatgcaga gttatatcat 120
ggttgatgga aaggggagca ctgacaagac ctaccctgct gggttcatgg acatcattgc 180
catgcccaag actggtgaga actacaggct tctttatgac accaagggtg gcttccgcct 240
taactataca agggatgagg at 262

<210> 7362
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g01b1

<400> 7362

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agcatggata ccctcagcaa ggctaccctc ctcagcatgg ctaccaccg cagcagcatg 120
gctaccctcc acagcagcat ggctaccccc ctgctggcta ccctgggtca tctggtcaca 180
gtggtagcca tggaggagga ggcatgggca tgggtggcat gctggctgga ggagcagcag 240
ctgctgccgc tgcttacgga gcacacaagc tttctcacgg cggccacggg ggaagggtgga 300
cacatgatgg gaggcagcat gggcgggcac ggaggctacg gcggcgggta cggccaccac 360
ggcggtaagt tcaagcacgg gaagcacggc cagggcatgt tcaagcacgg caagcatggg 420
aagcacggca tggt 434

<210> 7363
<211> 331
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g02b1

<400> 7363

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 ccctccggct tccccccag gacgtttaca agattggtgg cattggaact gtgccagttg 180
 gccgtgttga gactggtgtc atcaagcctg gtatggttgc tacctttggt cccactggtc 240
 tgacaactga ggtcaagtcc gttgagatgc accatgagtc tctcctggag gcgcttgccg 300
 gtgacaacgt cggttcaac gtcaagaatg t 331

<210> 7364
 <211> 389
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g04b1

<400> 7364

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 cgacggagcc gccatgccta acaaccgccg gaggaagcgc ggagtggacg acgactccgc 180
 cgcgggcgccc atcaaggacg gtagcaacaa cggaaggaag cgctccatcg ccaccataat 240
 aacttcgctc gccgcgctcg agggcgaggg ccacgccgac agcgcggggg cgcgcgacgc 300
 ctccgcgcgc gagctcggc tcttcgagtc caacgccgat aacaagtcgc aggccatgat 360
 ggactacttc gccaagatgg agggcagct 389

<210> 7365
 <211> 424
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g05b1

<400> 7365

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 aaggtctgtt agagctgttg gtagaggggtg gcgcagacaa tgtgaaccaa tgctttcttg 120
 aagctgcacg ctatggaagc actgaactcg tccgcattct acttcagatt gctcaaagga 180
 acagcttgga cattgatgtg gatctagccc ttggttttgc tgcccactac gggaaactcg 240

aaaccatggg gtgcttagtt gaggaaggta atactgtcgc cttccttggc cctttaatgc 300
 gggcagctga gcgtggatgc tttcaagttg tggaatgggt tgtgaaccgt ggctgtcggg 360
 acatggagct ttgcctggcc cttactgctg ccacctctag tagccagggt gaagttgctg 420
 ccta 424

<210> 7366
 <211> 343
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189017g07b1
 <400> 7366

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 cgactcccca ccccatggcc atggcgcatg tctctgtctc cagcggcgct tgggtggcgtg 180
 gtgctgcgat tcgcggcggc ggccggcctgg cgcggtggct gcgggggtgg tttgagcccc 240
 gtacgggtgt gctgcctgtg gcagcgatgg ctgctggttt cgagtccgcc ccgatacctct 300
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<210> 7367
 <211> 443
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189017g08b1
 <400> 7367

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 tgctgttgag tataagaaat ggaaagttgt ttggcatttc tgtggtaccc cagagctgga 120
 aagaatggtg aatgtcatgg attatgaagg gaatacagct ctgcatcttg cagtcaagaa 180
 tgcagaccag atgatagtga gccttctgat ggcaaataaa aatgtactgc caaatatagt 240
 gaacaacaag ggcctcactg ccttagatct tgcggtactg gcaactgaca aagggatgag 300
 ttatacactg aatccacagg tcattatact tcgctgttta gcatggacag gagctgtcct 360
 tactccgcgt cgctggatc atttcataga tgagttccac attgggaaag cctctgggaa 420

<210> 7368
 <211> 395
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g09b1

<400> 7368

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 attgggtagt ctttctcccg aggtgtctgc tatatatctt gcaatgcagc actctaagct 120
 ggagtgtatt gatgaacaaa gtcaagattc tatctcaaca gatggcgggt gtgctgatcc 180
 tgatgagact gaggagcttg atgagtttga cccttatacc ttcataaagg atttgccctga 240
 gttatctatg gttgtaccca agtttcgacc cgttcttctt ccaaagcaaa ctccggagctg 300
 ccctcgaacc acccttgctc ttgatctgga tgagacactg gtgcattcta ctcttgagcc 360
 gtgtgaagat tctgatttca ctttcccagt tcatt 395

<210> 7369
 <211> 415
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g10b1

<400> 7369

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 taatacacia cttgtggctc cctcgcgttt cttaaactcat cagaaatggc catgccaagc 120
 ctcatactac cgaaggaact accatatgaa tttttgaaga aaatcacgga tgacttctca 180
 gatgaccgta aaattagtga tagtccattt ggaatacttt ataagggaat taatccagat 240
 gatggcaaag tgattgctgt gaagaaactt caggaaaacg caccgatgcc acctaacaaa 300
 gcatttgccg aagaggttca gaatgttatg gcgctcaaac atgataacat agtacagtgt 360
 gttggattct gcagtgaac aacaaagaga ttggtgcagt ttgataaaaag atata 415

<210> 7370
 <211> 426
 <212> DNA

<223> Clone ID: uC-tsrow189017h01b1

<400> 7372

ggcgagcctc accttgccgc cggcgccccc gaacccccgc caggacgcca tcgacctcca 60
caaggccttc aaagggtttg gctgtgatag tacaacagtt tcaaataac ttgctcaccg 120
tgactcaatg caacgtggat acattcaaca ggaatacaaa actatgtatt ctgaggaact 180
ttcacgtcgt atacgtctg gactcagtgg aaaccacaag aaagcaatgt cgctctggat 240
tct 243

<210> 7373

<211> 315

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h02b1

<400> 7373

cccacgcgtc cgccacgcg tccgctccga cgaccaccac cgacggcggc gacgatgcag 60
gcggcgggcg cgcgacgcg gcgccacctc ctcgaccagc accacctctc cccggcctcc 120
tcggccgcca tcgccgctt cagatccgcc gccagccgg cgctcggggc ccaagggttg 180
ggcgggggcg atggcgcgag gtacatgtcc gcgcggggcg cggccgtcaa gggcgccggg 240
catctcgtcc gcaagggcac cggagggagg tcgtccgtga gtggaatcgg cgctacggcg 300
tttgagcta ctgga 315

<210> 7374

<211> 355

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h03b1

<400> 7374

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caagcgctc cgcgggcgcg gcttcggcga ccacgacggc agccggctct ccgaggacct 120
cctccgcgag gccgctgcc tcgaggcctg ccgcggccac ccgtccgtcg tcgagctgcg 180
ggccgcgcac cgtgacggcg cgggcgggcg gttcctcgtg atggagtacg tcgggccag 240

cgtggcgag gtcatgcggg agcgcgccg gcccttcccc gagggcgacg cgcgccggct 300
catgcccag ctcctggacg ggcgcagggc gatgcacgac ctcagggtcc tgcac 355

<210> 7375
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h04b1

<400> 7375

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atgttttggg ttgatgaaga acagcagaga tgggaaaagc tacagtacta atttggcttt 120
cacacctcct gagtacctta agacaggtag agtaatccct gagagtgtgg tctacagctt 180
cggtaccatc ttgcttgacc tcctaagtgg gaagcacatt ccaccaagcc atgcgcttga 240
ccttatcaga ggaaggaaca tcaccgtgct catggattct tgcttggatg gtcacgtctc 300
cagttctgat ggaacagaaa tgggtgcggtt agcatcacgc tgcttgaat atgaagc 357

<210> 7376
<211> 481
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189017h05b1

<400> 7376

agctgaggct atcttttcag ctgcatttag tgaacctgag aatggcctgt caacagccct 60
taagttatcg gctgaaggta atggccaatt ggatgctatt agtggaaatc cacctgacgac 120
agataattgt cagacaaatc accatagctc tgaatggggt gagctatttg ttagagagat 180
gatgagtgcc tctgacataa atgatgcacg ggctcgtgca tcaagagctt tggagggttat 240
tgagaagtcc atcatggagc ggacaggagc cgaggcagtg caaaacttgc acaaggaaaa 300
taagatgcta aaggagcaat tagcaatagc tcttcgagag aatgctgttc tgaagcgngg 360
ggttgcaatc caacacgagc gccaaaagag tttgatgata agacaangag gttcacaacc 420
taagcaattg attttgcagt atcaggaaca actaaagact ctcgagatca ataattatgc 480

a 481

<210> 7377
 <211> 395
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h06b1

<400> 7377

gtgacgcaa cctcgcgga agcgccggcg tctgcgcgcg tgcgatcatg atgatgaggc 60
 gccagttatc ggtctgcgtc ctctctctgc tcgtgctcgc ggggcagcag caggcgggcg 120
 ccaagaagta cgccgccatc ttcaacttcg gggactccct cgtggacgcc ggcaacctcg 180
 tcgtggacgg catccccgag tacctcgcca cggcgaagct gccgtatggc atgacctact 240
 tcgggtaccc caccggccgc tgctccgacg gccgcctcgt cgtcgacttc atcgcgagg 300
 agctggggct gccgtgctg ccgccgtcga aggcgcgcaa cgccacgttc caccacggcg 360
 ccaacttcgc catcaccggg gccacggcgc tggac 395

<210> 7378
 <211> 270
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h07b1

<400> 7378

tgcgcaggct accccaaaac caccgatag tcaatccctc ggcgggccac gagcgcgaga 60
 gaagcagcgg cagcgatgga gccggagggg gtgcggcacc ggatggtgga ggtggccaag 120
 ggggtgcggc tgcacgtggc ggaggtggg cccgagaacg gttcgtggt gctgctcgtg 180
 cacggtttcc cggacctctg gtacggctgg cgccaccaga tggtcgccct ggcggtccgg 240
 ggctatcgcg ccgtcgcgcc cgacatgcgc 270

<210> 7379
 <211> 321
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h08b1

<400> 7379

ttggacgcgt gggccgcgcg cggcgctttc ccatcccat ccccaactag tgagcgtgaa 60
 cccgatgtga ggcgcgcgaa atccctccgc catggagcat agtgacggcg agaccgccgc 120
 taagcgagcc aagctctect ccagcggcag cgaggacctc ctcagcgcgc tatccgacga 180
 cgttctcatt cacatccttc tcaggctccg caacaccgcc gtcgccgctc ggaccagcgt 240
 cctctccagc cgctggcgcc gcctctgggc cttctcccg ggcttgact ttctccccga 300
 caccaacca tacagcatat c 321

<210> 7380
 <211> 356
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h09b1

<400> 7380

tccacgcgtc cgggatgttg ctctcaagaa gaggagaaaa tactgggtcta tgaatacttg 60
 ccaaacaaaa gcttggattt cgtcatcttt gatgagaata aaagagcttt gctggattgg 120
 aaaaaacttg cagtaataat tgaaggggta gcaaatggac ttctctactt acataagcac 180
 tctcgattgc ttgtcatata tcgagatctt aaaccaagca acattctctt ggacagtga 240
 atgaatccaa aaatttcaga tttcgggctc gcaaaaatat tcagctcaaa tgacaccgaa 300
 ggagacatta caagaagagt tgttggcaca tatggctaca tggccctga gtatgc 356

<210> 7381
 <211> 325
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h10b1

<400> 7381

ttccacgcgt ccgtacaact acagctcaac acatcatttg caccggtcgt ccttgatcct 60
 cacagcaatg gcctccaccg acagctggac ccacgagatt gaatcgccgg tggccgcagc 120
 gcgcctcttc cgcgcggcg tcattggactg gcacacactg gccctaagc tcgcaccgca 180
 catcgtcgcc agcgcaccac ctgttgaggg cgaaggcggc atcggcagcg tcaggcagtt 240
 caacttcacc tcagccatgc cttcagcct catgaaagag aggctcgagt tcacgcagc 300

cgacaagtgc gagtgcaagt ccacc

325

<210> 7382

<211> 266

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018a01b1

<400> 7382

tgtccctgc acctccacct cccacctctt ctgccgcagc ctgccggcg gcaggacgct 60

ctccgccgcc gcaggacact cctgctcgtc cacctcctcc tcctccgtca agatggcgcg 120

ctcggcgctg gacgaggtga ccgacaccgg cgccttcgac cggacgccgt ccaccttcg 180

gagcttcgtg tcgagggacg cctccgcccg cttccccgcg gtggcgggca ggtaccacct 240

ctacgtcttc tacgcctgcc cctggg 266

<210> 7383

<211> 195

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018a02b1

<400> 7383

ttttcgggtg cttgcaatcg agtagctgat cctgccatac ataacctatt gttaacggag 60

aagccgatgt caattgccgc ggctgtcacc ggaaccgcca ccgcggcggg gcatgcgccc 120

gtgcaccacg cgccggacca cgcctatacg cagcgcacgg cgccgcggcg cgagcagtcg 180

ccgatcaacc cgagc 195

<210> 7384

<211> 235

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018a03b1

<400> 7384

tttcacgttt tcgcccacgc gtccggggcg ccatgaggct gtaccacggc cggaggcgcg 60

gcgaaggcga ggacgccggc aagatcgagc tgctgcaggc ttttcaggcc gtggaggcg 120

ccgtgcggag gttcttcttc gcgtaccggc aggtcgtggc ggccgtgtgt ggcacggcgg 180
 aggcgtcggg caaccgggcg ctgtttgcgc cggcggaggg gacggacccc ctgtc 235

<210> 7385
 <211> 343
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189018a07b1

<400> 7385

cccacgcgtc cgcccacggc tccgcccacg cgttcgcgga cgcggtgggtc cagttatgca 60
 agcactttca gtttgattgg ccagtgaatc atacatctct gagtcctgac ggggaagcttg 120
 ttgtaattgt tggggatgat cctaattggt tacttattga tgccaattca ggaaagactc 180
 ttcattccat gaaaggatcat catgacttct cattcgcacg agcctggagc cctgatggcc 240
 gaacgtttgc tactgggaac caagacaaga catgccgaat ctgggacgcg aggaacctat 300
 caaaagcagt ccatgtattg aagggttaacc ttggagccat cag 343

<210> 7386
 <211> 304
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189018a08b1

<400> 7386

ttctctgggt ctccaactcg gcctacatct acctctccgt ctcccttcac cagatgctca 60
 aggcgctcat gcccgctgcc gtctactcca tcggcgctct cttcaagaag gagaccttcc 120
 gctcctcttc catgctcaac atgctctcca tctccttcgg cgtcgccatc gccgcctacg 180
 gcgaggccag gttcgacctc cgcggcgctc cgctccagct cgccgcccgc gccttcgagg 240
 ccacccgcct cgtgctcatc cagatcctgc tcacctcaa gggcatctcg ctcaacccca 300
 tcac 304

<210> 7387
 <211> 432
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189018a09b1

<400> 7387

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gccgggacga agaccgtcga ctacgcggcg gaaagagcgc tcgccaagga cttcctcacc 120
aatttcgccg gccgcacgg cgagcccaag taccagaaca tcttgcaaga catcgcgaaac 180
cggaagatcc gcgcccga gatcgagctg gacgacctgt tccactaaa ggatgtggac 240
gaggagtcc tgcagagggt caccgagaac accaagcgct acattggcat attcgccgag 300
ggccgtggac gagctcatgc ccgagcccac ggaggccttc gctgtggacg aggacagga 360
catcttgatg acgcancgcg tggatgaagg ggctgatgga ggcgctgacg gcacagaccc 420
ttacagagga tg 432

<210> 7388

<211> 313

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018a10b1

<400> 7388

gagatgaccg tcgcctccgc ctggatccac ctccctgccg gcgacctctt tgctgcaaga 60
caagtgtacc atgatggaat caagaacaac atcgagacca ggcatcgggt tttgctgggc 120
ctgctcttct gcccacgcg gatcgccgct cagcgctga ccaaggtact cgcgggttcc 180
acaggtcgat cacactgacg accgattgcc tgtaggcagg ctccccttgt ttagatgtct 240
cagatcgtga gggtcagata tatgaataaa attgatttgg tgcaccattt gttctatata 300
gatttcacat tga 313

<210> 7389

<211> 422

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018a11b1

<400> 7389

atatgagagg ggaggggatgc ctatgagaga tgccggtgcg tcacaaagac caacaattgg 60
 ggcattggct tctgcacttg ccaatacacc cccagagacg caaagaatga tgcttggcga 120
 gaacctgtac cctgttggtg atcagctgga gcacgaccag gctgccaagg tgaccggcat 180
 gctcctggag atggatcaga ctgaggtgct tcacctgctt gagtcgccag acgctctcaa 240
 ggccaagggtt gctgaagcca tggaggttct cgcgacgct cagcagcaca ccaaccagtc 300
 ccctgagcag cagctggctt cgctctcgct gaatgacggc ctcatctctt cctaagctct 360
 acggcgacaa tttttgcacc atatcaaac ttatctagac tgaaaatgac ttggctttat 420
 tg 422

<210> 7390
 <211> 131
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189018b01b1
 <400> 7390

ctaccgccgc ctgcgtgcgc tccaatccgt gccgccgccg cgtttcttgg tccggcggct 60
 ggttggcggg gacgggggga ggcgggggat gaaggggctg ggcggcgggc cgaagggtgt 120
 gctggtgcac t 131

<210> 7391
 <211> 71
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189018b02b1
 <400> 7391

ctgctgcggc tagcggggcg acggttgcag tggagagcgt ggtggtggtg cacaacgtgg 60
 ccaaacggca c 71

<210> 7392
 <211> 182
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189018b04b1

<400> 7392

tgccagcccc gtgcccgtgc acgtcgacca caccgccatc ctcgaggcgc cggagaccag 60
ggtcaccacg ctcgacaacg gcctgcgcgt cgccaccgag tctcgtctct cctcgcgcac 120
ggccaccgtg ggcgtctgga tcgacgccgg gagcaggtac gagacggagg aggcggccgg 180
gg 182

<210> 7393

<211> 137

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b06b1

<400> 7393

ttgctctcac gctgctcgcg tgactccgag ctccccggtt cgtgaacgag cccgcccggg 60
aaaaccgctt gagaaatggc tgaggaggat gtccagccca ttgtgtgcga cagtggcacc 120
ggaatggtca aggcggg 137

<210> 7394

<211> 201

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b07b1

<400> 7394

ccctaaccct agtcctagct tagcttactt cttctcgatc tagctagagc catggcgcca 60
accaagggcg agggggccggc catcggaatc tacctcggca ccacctactc gtgcgtcggc 120
gtgtggcagc acgaccggt cgagatcatc gccaacgacc agggcaaccg caccacgccc 180
tcgtacgtcg ccttcaccga c 201

<210> 7395

<211> 137

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b08b1

<400> 7395

ttcgtgcttt tggctgacgt ctcggggcag aacaccccg c aggacttcgt caacctgcac 60
aaccgcgccc gcgccgtgga cgggtgtctgt ccggtggcgt gggacaacaa cgtggccagg 120
tttgcgcagg actgggc 137

<210> 7396
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b09b1

<400> 7396

tgggggggttt ccgtccatcc gagctcttaa agctgctggt gaatcatctg gagccgctaa 60
ccgagcagca gatgttggga ttgaccaacc tccagcaatc ttcccagcag gcagaggatg 120
cattgtcaca aggaatggaa gcattgcagc aatcactggc ggagactttg gctggatctc 180
tgggttcctc cgctggctct tcagggaatg ttgcaaacta catgggtc 228

<210> 7397
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b10b1

<400> 7397

ggtggagcag cgggtcggcg ctctcaccaa gcagcgggtg ataccggcgg ttcgcgcggc 60
gcggtggcgg ggaccagcgg cagatcggcc gtgcggtgcc aggccctcgg gctccgtcaa 120
ggttgctaaa atggataagc tcaagggtc tgcgcgtctt atgattgttt cagatctcga 180
tcacacaatg gttgatcatc atgacgaaga gaacctgtct ttgcttaggt ttggggccct 240
ttgggagtct gtttactgtc aggattctct tcttgtcttt tcaacaggaa gatcacctac 300
tctgtataag gaattgagga aagagaagcc tatgctaact ccagatatca ctatcttctc 360
tgtgggtctc gagataactt atggtgaagc catgggtccct gatcatggct gggaggaata 420
tctgaacaat aagtgggaca ggaata 446

<210> 7398
<211> 358
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b11b1

<400> 7398

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gaaggtgaag ctgggcaagg agcccatggc gctcttcacg gagggcggca tcaaggacct 120
agccaagctc cccatggagc agatcgacgc cgacaagctc accaaggagg acgtcgacgt 180
gcggctcaag tggctcggcc tcttccaccg ccgcaagcag cagtatgggc ggctcatgat 240
gcgtctgaag ctgccaacg gcgtgacgac gagcgagcag acgaggtacc tggcgagcgt 300
gatcgagaag tacggcaagg agggctgcgc cgacgtgacg acccggcaga actggcag 358

<210> 7399

<211> 353

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b12b1

<400> 7399

gaatcacaag gggagtcttg tccaccaaga aaacatggaa ttatacagaa agattaacct 60
aattcgacaa gaaaatgctg agttacaaaa aaagctctct gagacggtgg cagcgactga 120
agttaaccga gattcaagaa ctacatacaa ttttgagttt gttgaagatg ccaatgtttc 180
tgttgatctt gaactcaatt caccgcagca acaaaatgat gttgagcata ctgcgcccc 240
taaactagga ttgcaactac atccatgacg atcgtggggg atgggattac tcttggtggt 300
attattctca agggatacaa ttcagagcag ccagaatact cttggttgta aag 353

<210> 7400

<211> 231

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c01b1

<400> 7400

actttccacg cgtgcgcccc cgcgctccgc ttatctggat gcaggaaccg tgaaatggac 60
taacatatat gaggaagagt tgcaaaattt ccttcaggag ggggcactct ccgagcta 120

tgtcgcctac tctcgtgaag gaccaaccaa agaatatgtg cagcataaga tgggtggacaa 180
ggccaccgag atttggaacg tcattttctca aggtggttac atatatgtgt g 231

<210> 7401
<211> 288
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c02b1

<400> 7401

tgccacttag ctatatatct acacgtgcac atatatacct acgcacggtt ccatttcggt 60
tgatgagctg agagcctgag actcgaccga atctaggcgc ctagatcgaa gtgatcgagc 120
atcacttggg cgcgcgctcg caatggacag cagcagctgg atccatggat actacggccc 180
cagcagcggc gccggcgggc gtaacagcgg cttcatgtgc ggttacgccg acagctgcgt 240
cgttctcgaa gagctgcaca acaggaagga ggaagaggag cgcacgca 288

<210> 7402
<211> 286
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c04b1

<400> 7402

tcttctttct ctctctctct cgccacagtc cccgccagat ttgttgctc gcctcgctc 60
gcctcgctc cacctgtatg cegtcaacgc ccccatggcg tcaaccgcac cacggccgcc 120
ccgccgagcc gcgaccttga cactcctcct gcccttcctc ctcttttct cctccccgtc 180
cctctccttc gccgcttcgc cgcgcgcgtc gagccccgtc ccgttccacg cgccgccgcg 240
gtgggtcgcg tgcgactccg acagcgcccc cccgtcgtcg caccac 286

<210> 7403
<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c06b1

<400> 7403

tttaagtttt gcagtgggtgc atttgtagat tggaagcatg gtttgccact gacgtggata 60
 atatatcttt gaaaaattgg gatcaggaac atgttcttac tgggtggacat gggcttatgg 120
 tgaatggcta cgaccctggt atcaaagctc tctctcgaga tctagatgtc cacctgaacc 180
 acagggttac caaaatcatc cagcgggtata ataaagtcac cgtatgcgtg gaagacggga 240
 caagctttgt tgcagatgct gcta 264

<210> 7404
 <211> 373
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189018c07b1
 <400> 7404

gcgcagaccc actcgtccgg ttgcattcca gctcaggcga gcagcgacca cctttcggcg 60
 agggtagcag cgatggaggg caaggaggag gacgtgcggc tcggagcgaa caagtactcg 120
 gagcggcagc ccacggcac ggcggcgag gggccgagg acaaggacta caaggagccc 180
 ccgccggcgc cgctgttcga gcccggcgag ctcaagtcct ggtccttcta ccgcgccagc 240
 atcggcgagt tcatggccac ctctctcttc ctctacgtca ccacctcac cgtgatgggc 300
 tacagcggcg ccacctccaa gtgcgccacc gtcggcatcc agggcatcgc ctggtccttc 360
 ggcgcatga tct 373

<210> 7405
 <211> 251
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189018c08b1
 <400> 7405

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 tcgaggagga cttcaacacc cgcaccgggg agttccacga gcgcaaggag aacttcgtcg 120
 tcagggccga tgactgagct tacacgtaac ggagcacact acgatgtgtg tatatgtatg 180
 catgtcagca gtatatgtat gtgtgaatgt tgccgacagt cgtatagcgt atgcaggcgt 240
 gcgtgcttgg c 251

<210> 7406
 <211> 299
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189018c09b1
 <400> 7406
 agcaagagtg gttcgaatag gaacctggaa atcgagttcc aatggtggaa caaatgacag 60
 catctacaga attaggcgcc cgtgtaagtt aaaatatata aagttaagag tgggttttctt 120
 gtttcacatc ctctgctaaa tgttaccctg tttgtgcatc agtgtaaata gccggcagag 180
 aaagtcgttt tttggttggt gttgtgtgtac tttcttctgt gagataaaaa cagatgagat 240
 cagttgtttt ttgtactgat tgtaatggac cgaccgattc attatttttt cgacgggat 299

<210> 7407
 <211> 423
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189018c10b1
 <400> 7407
 tacgaaccaa ccggcgcgac cgaatcaaac cgcgcaaccg tgcgcgcgac tcctcgtggg 60
 ggccggggcgg gcgcgatgcc cctggacggc ggccggcgcg gggcggcggt catgttcctg 120
 gcgtacgcgg ccctggccgt ggccggcgctg cgggccgtgc tgctctacaa gtcgggtggcg 180
 cacgcggtcc gccggctgtg gcggtgggcg gacgagtggg cgcaggccta ccagtactac 240
 gaggtgccgc gcttcgtcgc tggcggcaac gacggggccg agaaccgct cttccgcaag 300
 gcggcggcct acgtggcgtc gctgccgtcg ctcgaggacg cggacgccgc ctgctgtctc 360
 tcctccgcca gcaagagcaa cgacttctcg ctgcagctcg gcccgggcca caccgcgcac 420
 gac 423

<210> 7408
 <211> 372
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189018c11b1

<400> 7408

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atctgtcctg gtcgtatatt atgccaaagct gactgaaata ttctggatat ctgagagtca 180

cctgtatcat gcatatgcat ggctgaagct tttcaacttg cagaagagct acaacaagaa 240

tttaactcag aaggatctgc aattactagc atcttctggt ttgcttgctg cactttctgt 300

tacaccatat gaccataaat atggtgcatc tcatcttgag cttgaaaatg aaaaggaccg 360

tagcttgctg at 372

<210> 7409

<211> 196

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189018c12b1

<400> 7409

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tttttttttt tttttttttt ttttcaggaa aaactccaag ggttttcata tgcatttatg 120

gggaactaaa tcaactcaacc gaaaaatttt catgaccgaa aaacaaagga ggcagtggta 180

tatttgctcc ctggat 196

<210> 7410

<211> 243

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189018d01b1

<400> 7410

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ccgccgaggc gaccgcggt agctatataa agccgcggcg tcgccggcaa gccgcaaacc 120

caaaccaacc accgcaaaca tccatcgcgt tcccggccac ttctacaacc tgctttgctt 180

ccgcggcgcg atcttgtttt agctcggcct ccatccccgc ttggctcctt gcgcaacagc 240

ttc 243

<210> 7411
 <211> 437
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189018d02b1

 <400> 7411

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 attctcaaat cgcgagctcg gaacacttgc accctactcg gataggatcg gcgattcgcc 120
 cccctagttc ctcgctcgga acttcagaga gcttcagtac aagatgcaaa ggggaagggg 180
 cgggagaggt ggtctctttg gttttgggga cccttttctt gcttttggcg gctttgtacc 240
 acctgggaac cttatgtcca gtttctttcg ggggtcaagt ccctttgatg atcccttctt 300
 caccaatcct tctggttctt tgattggacc tagcctatct gagcaaagca tttttgggtc 360
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 accaagcagg ccaaaag 437

<210> 7412
 <211> 111
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189018d03b1

 <400> 7412

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 aaatggcggc gagcaacctc gaggggtgtg tcctggggat gggcaacccc c 111

<210> 7413
 <211> 400
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189018d04b1

 <400> 7413

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 agatgggatc tctccccgtc ccgagtgtgc aggccttggt ggctgccacc ggcggagacg 120

atgtgccgct gaggtatctc cggccagagg cggcagcaga agcggtcacc agcgacggcg 180
acggcgacgg cgaggcacag atccccatca tcgaccacca aaggctgctg ctggagctgg 240
accatggtgg cgaggagtct gcacgcctcc acagagcctg ccaagactgg ggcttcttcc 300
agttagttaa ccacagtgtc ccagacgatg tggaggagag catgaaggcc aacatccagc 360
aattcttcca gctacccgca gagacgaaga agcgattcgc 400

<210> 7414
<211> 210
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d05b1

<400> 7414

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acgggtgatc cgggagagga agatggacgg tgtggttgtg tttgcggatg acagcaacgt 120
gcatagcatg gagctgttcg atgaggtgca gaaggtccag tggatggccg cggtgtctgt 180
gggtattctt gcgcacaccg gaacagcaga 210

<210> 7415
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d06b1

<400> 7415

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ggacttgctc gctatgctgc tattgctcag gacaatgggt tagtgccaat tgtggagcca 120
gagatccttc tggacggtga ccatggcatc gagagaactc ttgaggtggc agagaagggtg 180
tggtcagagg tgttcttcta cctggccgaa aacaatgttc tgtttgaggg catcctgctg 240
aaaccagca tggttacccc tgggtgctgag cacaaggaga aggcttctcc agaagccatt 300
gcgaagaaca ccctcacaat gctgaggagg agagtaccga ccgcggtccc tggaatcatg 360
ttcctttccg gcggacagtc cgagctggag gcaacatga acctgaacgc gatgaaccag 420
t 421

<210> 7416
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d08b1

<400> 7416

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ccgccgcgac cgggctggcg ctcggagtcg gcggcgggcaa cggcgggggc gtcggcacgc 120
actaccgcgg cgtcaggaag cggccgtggg gccggtacgc ggcggagatc cgcgacccgg 180
ccaagaagag ccgggtgtgg ctcggcacgt acgacacggc cgaggaggcc gtccgcgcct 240
acgacgccgc cgcgcgcgag taccgcggca acaaggccaa gaccaacttc cccttcgcct 300
ccgcctccgc gcc 313

<210> 7417
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d09b1

<400> 7417

agaaggcatt cccagaaaca caacatgaca ataagcgacc tgaagaatac tctgcgcgta 60
cttcagttcc ctcagttagt atgaggcaca ataagtcaaa ttctgcctct tctgaggaag 120
atagagagga catggttccc attgcctgga ggatgaagcg gcggcagctg gaagctcaac 180
aaggcgacgc cagttatgcc ggcgagcagt ccaaggtgta tccatctacc agcagttggt 240
cccagcagca gtcgaagggtg tatccatctg ccagcagctg ttcccagcag cagttcgc 298

<210> 7418
<211> 430
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189018d10b1

<400> 7418

ctccgctccc ctctctctc tctccatcc tccggtttct gatcgcgacc atgggaaccc 60

gcgggctcgc cgtgctgctc ctgcgcggcg tgctgctgca gggcctcctc ccggcctcgg 120
aggcggaggg cctggtgcgg atcgcgctga agaagcgcg ccatcgaccgg aacagccggc 180
tcgccaagag cctctccgac cgcgaggagg tgcacctcct cggcggcgcc tccaacaccc 240
tccctccga ggaggagggc gacatcgtgt ccctcaagaa ctacatgaac gcgcagtact 300
tcggggagaa tcggcgctcg cagccgccg cagaagttca ccgtcatctt cgacaccggc 360
agctccaacc tctgggtgcc ctccgccaag tgctacttct cgattgctg ctacctnca 420
gcacgctaca 430

<210> 7419
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d11b1

<400> 7419

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gatctcgggc gttggttttc gaggtattgt ggagagctct tcaatttcat ccggctctgt 120
tcttctgagc aaagggtgag aagaatcttt cgccggattg tccccaaaga tgccaggaat 180
catagtggat ggagttgtca cagaggagat tcagcatgag gtgggttcct ctcaaaacaa 240
ggagaatttg acggccccc aaatggcgcc aagcatgcag agtgaggcac ttgagatgca 300
cgttgagaat tctggtgccg gggagccctc gattgagcag ctctacaaca acgtgtgtga 360
gatggagagc tcaagtgagg gcggcgatc cccatcacgc gagagcttcg ggtcggatgg 420
ggaggaatca aggattgact ctgagcttcg ccaccttggt gctggggaga tgga 474

<210> 7420
<211> 333
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d12b1

<400> 7420

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gttcacaatg ctgctcttag tgacagcct gcattggtgc agaataaaca gaaactgctt 120

gagaagatca atattctgtg tctgatggag ataatcttca gccggccatc agaagataga 180
 actatcccat taagtgttat tgccaagcag actaagcttt caaccagcaa agtggaatgt 240
 cttcttatga agagcctctc ggttcacctc atagaaggaa tcatcgatga agttgacagc 300
 acggttcacg tttcgtgggt ccagcctaga gta 333

<210> 7421
 <211> 249
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e01b1

<400> 7421

tttactcgtc cgggcgaatc ttcttggcga tggctggtaa gcagggccgc aagaaggcga 60
 ggagccccc cggatgcctc cagctgcgtc cgatcggcag caccgtctcc ggatcgaaga 120
 agcctgcggc ggcgacgggt ccttcgtgca agtaccacct gtcggaggcg tctgtccagg 180
 cggtcctaaa ccacaagagg gtgcctttcg tcattgggga ctacttcgac gacctgacct 240
 ccgaggagc 249

<210> 7422
 <211> 363
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e02b1

<400> 7422

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 tcaatatttt ggagcatcct gaatgccgag ctgattacaa cttgacaccc cggcaaacaa 120
 ttgagccagt cattacctta ctgaattcat ctccaccagc tgtgcaacaa ttggctgcgg 180
 agctcctatc tcatcttctc ctggaagaac accttcagaa ggatacagta gcagagcaat 240
 ccatccctgc cctcattcaa attctctcat caggtttgcc aaatttacag cagagagcta 300
 taaaagctct cgctaattct gcattagcct ggccaaatac aattgcaaag gaggggtggg 360
 tgt 363

<210> 7423
 <211> 368
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189018e03b1

 <400> 7423

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 gccgggatgg acgtgcagat gggcgagccg caggcggtcc ctgctcccg cgcgtagag 120
 gcggcgccgg cccctccac cctccaacat ctgaaggaga tcgccgcggt gatcgaggcg 180
 gggtcgctct ccaaggaggt ccgccggatc tcccgcgccg tccgtctcac cgtcgccctg 240
 cgccggcgcc tcgccgccg agacgtctcg gccttcctcg ccttcgccct cccggccaac 300
 agcgacgcat acgcccgcct cactcccctc ctcccgaagg aagatgaagc tgagatggat 360
 gttgatgc 368

<210> 7424
 <211> 205
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189018e04b1

 <400> 7424

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 ccaagattga tttccccggt gccaaagtgg tgagcgacgc ggtggccaag tccggcacca 120
 cgccccctc cccggccatc gtcttcatct tggacaaggt tgcgcctttc gtccccgcgc 180
 ccaaggagga gcccaaggcc gagcc 205

<210> 7425
 <211> 260
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189018e05b1

 <400> 7425

 tctccgacca gcgtcccacc caacgacca gcgtcgacct acctcctacc ctcatccatc 60
 caccattga tccatcgatt gatttggttg gattaattga tccgccaccg ccaccaccac 120

cgccgtggag aaaggaggga tggcggcggc ggcgggcagg ggcggggggc cgaggcgcac 180
gacgcgggtg ggcccctacg agctcggcaa gaccgtcggc gagggcagct tcgccaaggt 240
caagatcgcc aaggacaccc 260

<210> 7426
<211> 456
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189018e06b1
<400> 7426

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gtttgcaagc tcaaccagc gacacaggat gaagatttat atacaatctt ctgcggtttt 120
ggaagtgtga catcagctga aataattcgt gacttcaaga ctggggatag tttatgctat 180
gctttcattg aattcgagga aaaggaggca tgcgaacgtg catattttta gatggataat 240
tgtctgattg atgatcggag gatccatgtt gatttttagcc aaagtgtttc aaaattgtgg 300
ggtcagttca gacaaagtaa acgaaatgga aataaagatg gttgcttcaa gtgtggtgct 360
ccagatcaca tagcccgaga ttgtgaccag gatggtgagc agaaacctaa agccccaat 420
tatgttctga aagatgataa cactcaacga ggcggg 456

<210> 7427
<211> 502
<212> DNA
<213> Triticum aestivum
<223> unsure at all n locations
<223> Clone ID: uC-tsrow189018e07b1
<400> 7427

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agaagaggaa gaagaagaag cagtgtggag cacgctgctg ctacctgggc atgctctcag 120
cagtgtgaat ctccagaagc atgcttgccg tgccttcttc cgggtgcacc ggaggctggc 180
atgtgagcag ggggtgcttca gtgacgcaca agaaaaaagg caagtcttat cggcaagggg 240
aggctacgcc tttcttccag gtctccctct ctccatctaa atctgtgttt ggaggagggg 300

gctacggtta gttcaccac cggtttactg tgtccttgatg agttgtgatc attatcatgc 360
 actcgtcagt tgcttgacat gtatggtgtc gttcttgaat tttcagctac atataatggg 420
 cngttgtgtg agtgaatgga gttgtgttca tgtgtcgggc tgtgtgtcga ctgtcactgt 480
 gagtcaatta gctaaaagaa gt 502

<210> 7428
 <211> 496
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189018e08b1
 <400> 7428

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 ctccgcctcg tctccaagcg cttcggcctc ggcattctcca catgccacaa gctcgtcctc 180
 gaggtctgag gtgccatcaa gtccgtcctc atgccgaggt tcttcagtg gcccgacgag 240
 gccgcccggc gcagattcaa ggagggcttc gagagatcct tcggtgttcc gggggatcct 300
 ggagccatgt acaccacgca catccctatc atcgcgccca agatctccgt cggcgctac 360
 ttcaaccgct ggcacacgga ggcgaatcag aagacatcct actccatcac gctcaggggg 420
 tggtcggccc tgaccgagcc ttaccgagct ctgcatcggc tggccgggct ccatgccgga 480
 cgatcagggtg ctgag 496

<210> 7429
 <211> 491
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189018e09b1
 <400> 7429

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 tctctcgctc tctcccccga gatgcagatc ttcgtgaaga cccttaccgg caagaccatc 120
 acccttgagg tcgagtcctc tgacaccatc gacaacgtca aggcaaagat ccaggacaag 180
 gagggcatcc ccccggaaca gcagcgtctc atctttgctg gcaagcagct cgaggatggc 240

cgcacccttg cggactacaa catccagaag gagtccaccc tccacctggt gctcaggctc 300
 cgtggtggca tgcagatctt cgtcaagacc ctcacgggca agaccatcac actggagggt 360
 gagtccctcg acaccatcga taacgtgaag gccaaagatcc aggacaagga gggcatccct 420
 ccggaccagc agcgctgat ctttgctggc aagcagcttg aggatggccg taccctggct 480
 gactacaaca t 491

<210> 7430
 <211> 377
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e10b1

<400> 7430

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 gtctgcaacg tcaccaagcg cgccatcggc gtcgagatca acaagcaggt cggcaacagg 180
 atcatcaaga agaggatcca tgtccgtgtg gaggcacgtg agccatccag gtgcaacgag 240
 gaggttctcc agaggaaact caacaacgac aagctgaagg cggaggccaa ggcgcgcggc 300
 gaggtcatca gcaccaagag gcagccagca gggcccaagc cgggggttcat ggttgagggc 360
 accaccatcg agacggt 377

<210> 7431
 <211> 486
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e11b1

<400> 7431

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 taattccatc catccatccg ctgccgcgtc ctacgcggcc atttggggcg ctcgtggggg 180
 gttcgtcaca tcaaccaggc caagatcaga tcggcggcga cgacggcgac catgttcagc 240
 gggacgcagc agaagtgcaa ggtgtgcacc aagacggtgt accccatgga ccagctctcc 300

accgacggcg ccgtcttaca cgcgcctgc ttcaagtgcc accactgcaa gtgcaccctc 360
 tccttttagca gctactcctc gttcgaaggg gtgccctact gcaagcccca tttcgcgcag 420
 ctgttcaagg agaccgggag ctacaacagg agcttccaat cacaatcacc cgcaaaatct 480
 gcaacg 486

<210> 7432
 <211> 268
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189018e12b1
 <400> 7432

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 ggcaaagcca tacatacggg acttcaggat cgaggagatc gtggaccctg gcataaaggg 120
 gcagtactgc tcggaggcca tgtggagggg gctggaggtg gccacggcgt gcaccgagtc 180
 cttctcgacc ttccgcccga gcatggagga catcgcgcgg gagctggagg acgcgctcat 240
 catcgagaac aacgcttccg agtacatg 268

<210> 7433
 <211> 263
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189018f01b1
 <400> 7433

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 ctggctgaaa caaggacatc accagtgcc cttggatcga aaagaactca aagttgacga 120
 tttggtgctg aacgaattcg ttcggcattc catctttgcg caacgcacca catgcacaca 180
 cgttccgctc tgcgactggg ttggtgtcat tggaagactg gatgaacacc tcggctccac 240
 atgtcccctg cagaaaattg tct 263

<210> 7434
 <211> 374
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f02b1

<400> 7434

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aggatacatg gaatgaaccc ctgggccgtg gaactgagat caaactgcat ctccgcgatg 120
aggctaagga gtacttggaa gaaggcaagc tgaaggactt ggtgaagaag tactctgagt 180
tcatcaactt cccattttac ttgtgggcaa ccaaggaggt cgatgttgaa gtgccagctg 240
atgaggaatc aagtgaagaa gaggaatcaa ccacagagac gacagaggaa gaagagacag 300
aagatgatga agagaagaag ccaaagacaa agactgtgaa ggagacgact actgaatggg 360
agcttctgaa tgat 374

<210> 7435

<211> 178

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f04b1

<400> 7435

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gccccttccc caaccgagga tgcagagaac ataaggaaag cagtacatgg gtgggggacg 120
gacgagaacg cgctgatcga gacccctgggc caccggacgg cggcgcagcg cgcgagaga 178

<210> 7436

<211> 413

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f05b1

<400> 7436

gcaaccgct cccgcgtcgg cgccgccgcc tccgcagcgc cttccccggc agaagcccca 60
gcgccccacc ctccatggcg aagaagagga agcgcagctc cgatgctccc gcgccccctt 120
ccgtagagaa gcccgcgcac tctgcgcggg agcggccgga gcgcaccctc ttgggcttca 180
aggaccagcc ggactccgcc gccgagcctg cttacaagga cgcggggccc tacttccgga 240
acagggaaaa ggtgctcatt acgtgctccc gccgcatcat ctacagggta ccggcacctg 300

atgcagaacg tgggtgtcgct gctgccgcac gccagaagc acagcaaggc cgagtccaag 360
cagagcatgt gcagcgcgct cactgagctgg tcgagctcag gagctgctcc agc 413

<210> 7437
<211> 204
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f06b1

<400> 7437

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acatggaagg gttgcagaga tcgtcctcca ctttcagaag gtccggctcg tcgggcctgg 120
tgtgggacga gcggttcctg accgagggcg ccgaggcgaa ggccgtcggc tagggcggca 180
cgatgaagc ccagccggag atgc 204

<210> 7438
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f07b1

<400> 7438

tccacgcgtc cgccacgcg tccggcttgt tattgatcgt gccatctcta ctgtgagtgt 60
gatcgagcta gtgatcaaac gcgagaagat ggcgttgac tggagcagcg gcctcgcggt 120
cgccgtcgcg gcggcgctgg ccgtgtccgc gctcttcccg gcgggcgctg cgggtcaccc 180
gccgttccca ggcccgttgg tcccgcagtt ctacgagcac acgtgcccgc agatgcaggc 240
gttgggtggc gccatcgtgg ccaaggagca cgccaaggat ccccgcatgg tggcgtccct 300
gctccggctg cacttccacg actgcttcgt gcagggctgc gacgcgtcgg tgctgctcga 360
cgccga 366

<210> 7439
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f08b1

<400> 7439

tccacgcgctc cgaagataag ctatatacag agtggagagg tcacacacca gagctagata 60
cagagaagca acaccatgcg cgctccggcg agcctcctgc accgcgtcgc tctcgccaag 120
actggtccgg gcgagccatc gtcgtcgccg atgagtatga aggctcctga gaaccagcag 180
acggctcctg tgatggcagt gaactcagac atggtgctca tcctagcgtc gttgctatgt 240
gcgctcgtct gcgtccttgg cctcgcccta gtctcccggt gcacaggccg acgccgccgc 300
tcgccctcat tcttcgacca cgctcctcca gccccaaagg gcctcaagaa gaaggccata 360
cacgcgctcc aaccgtc 377

<210> 7440

<211> 359

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f09b1

<400> 7440

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tagcagactt ctgttcagac tgttcttgcg tgcagtgcac ttcttggcta gctagctact 120
cggccatggc ggatcaccag aggcagagga tccacccggg ggacctggag gcggggccagc 180
cgaggccgtc ggcgccgtg gtgccgccgg gcagctcggt ccgggtccgac aagggcgacc 240
cggccgctgc cccgacagga ggccgccaca ccaccagccg ctgccgccgc cgccgcgccg 300
cgtggccgca cctgtgccgc tgcgccacc gaagcggcgc aggggctgct gctgccgt 359

<210> 7441

<211> 310

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f10b1

<400> 7441

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atttaattct atcattttgt tcatgataga atcatgaggg attttaatgt acaatacaag 120
atcagacctg caccaagtat taattaaatt atgtaaaaaa aaggaggatg gacctcggcc 180

tatacatctg gttgatgcat acagccagtt tattatgaag ccatcgctga gctggattcc 240
 ctcggaagaag atttctacaa ggacagcacc ctgataatgc aacttctccg tgacaatctc 300
 accttgtgga 310

<210> 7442
 <211> 200
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f11b1

<400> 7442

ttgcctagct agtgccaacc aagctacgca gctcaagctc gacccgatcg atggccggga 60
 ggaagcaggc gacgatggcg agcgcggcgg ccgtggcgct gctgctggcc atggcggccg 120
 tgtcggggcg cggcgcggcg cccggcccgc tgatgatgtg caatgtggac gtgtaccgca 180
 tgatcggcgc gtgcaggtcg 200

<210> 7443
 <211> 262
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f12b1

<400> 7443

ttggacgcgt gggttggata gtgaatgaaa tgaagaaatc aggtctacga gggcgtggag 60
 gtgcaggttt tccgtctggc ctcaaatggt ctttcatgcc caaagtgtct gatggacgtc 120
 cttcttatct tgttgttaat gctgatgaga gtgaaccagg aacttgtaaa gacagggaaa 180
 tcatgcgcca tgacccccac aagcttctgg aaggttgccct gattgctgga gttggaatga 240
 gggcatcagc tgcttacatc ta 262

<210> 7444
 <211> 95
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g01b1

<400> 7444

gtaagttaat aagagaacct acaggattgt atgctgtatg cactattggt ctgtgtccac 60
gtgtactggt ttattcatgg acggtcggtt gatcc 95

<210> 7445
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g02b1

<400> 7445

tcacgcgtcc gtcctcctaa accactctcc ctatccccgt gtccagaagc tcccccccg 60
ctccaatggc ggcgaaggaa ccgatgcgcg tgctcgtcac cggcgccgca ggacaaatcg 120
gatatgctct tgttcccatg attgccaggg gagttatgct tgggtgcagac cagcctgtta 180
ttctgcatat gctggatatt gaatttgctg ctgaagctct taaaggtgtc aagatggagt 240
tgattgatgc cgcatttcca cttctcaagg gagttgttgc aacaactgat gttgttgagg 300
cctgcactgg tgtgaatggt ggggttatgg ttggtggatt cccaggaag gaaggaatgg 360
aaaggaagga tgttatgacg aaaaatgttt caatctacaa agctca 406

<210> 7446
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g03b1

<400> 7446

gattttgcca gggaccacgc tatctggatt ggccaagctt aagacagttt ttaagaagga 60
tgggactaca actgcaggta attctagcca agtgagtgat ggcgctggag ctgttcttct 120
catgaagaga tctgtagcgg tgagcaaggg gctccctata cttggcgttt tcaggagttt 180
cgctgctggt ggagtggatc cagctgttat gggcgtcggt cctgcggtcg ccatacctgc 240
tgcagtcaag tctgctggcc ttgacattga cgacattgat ctctttgaa 289

<210> 7447
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g04b1

<400> 7447

ttgtacgtgg acgagggcgct cctcgccgcc gccgcctaca tgcagatccc cacgggcttg 60
ccgaggctgc aagtgggggcc cgaggggcaat aaacaaattg ttcgttcggg ttcaagcaga 120
cgggttggat taatcagacc aaattcaccc aagtcccctt ttgctagtgc aagtacttta 180
gagagtgtag aggggtctga tgaggatgcc gcgatgaaag tcaacggcaa actagataat 240
ggccatgcga gcacaaacag a 261

<210> 7448

<211> 208

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g05b1

<400> 7448

ggactttgat aacaggatgg tcaaccactt tgtccaggaa ttcaagagga agaacaagaa 60
ggacatcagc ggcaacccca gggctctccg taggctgagg acagcttggt agcgggagaa 120
gaggaccctc tcttccactg cacaaccac cattgagatt gactcgctgt atgagggcat 180
cgacttctac acgaccatca cccgtgcc 208

<210> 7449

<211> 276

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g06b1

<400> 7449

ttcacgcgtc cggatgaaga tagcggaatc gagatagggc gtacagttaa gaagttccct 60
cttttaacac caagagagta catattggca tggcgagttt gggcatcaga tgagaactct 120
ttctattgct tggtaagga atgtgaacac tctcttgcc caatacaaag aaaatttggt 180
cgagtacgac ttctgagatc ggggtggtgt attaggaaag tccctggaag agacgcatgt 240
gaaatcacag tgctgcacca tgaagacaat ggcattg 276

<210> 7450

<211> 192
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g07b1

<400> 7450

tccacgcgtc cgggccaccc gccagcggtc ggctagggat tggtcggctc cttectctctc 60
 cgctcagatt catccacttc tgcctcagct gcggctgtcc gctacaacat caggctccgt 120
 cgacgccgcy cagtgcctcg gtgagccgtg tgagcagact gccccctctg tatctctccc 180
 aatctctccc ct 192

<210> 7451
 <211> 309
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g10b1

<400> 7451

tcacgcgtcc gggatgaattc actgattctc agattgttgt gatgcttggg gagaacggca 60
 cagggaaaac tacattcatc agaattgctgg ccgggttggt gaagccagat accatggaag 120
 gaagtgaagg tgaaattcct gaattcaatg tgcctacaa gcctcaaaag atcagcccaa 180
 aattccagca tccagtgaagg cacttgctgc attcgaaaat acgcgattca tatactcatc 240
 ctcagtttgt atctgatgtt atgaaaccac tacaaattga gcaactcatg gaccaggaag 300
 tcattaatt 309

<210> 7452
 <211> 304
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsrow189018g11b1

<400> 7452

gcggcgcaag ccatggccac ggtggagcag cagcagcaga tcgagcacag ccacctcgcc 60
 atcagaggcc tcagcctcca cgtagcgcaa gcaggcacag gcgagctcgg gacgggtgctg 120
 ttctgcacg gcttcccga gatatggtac tcgtggcgcc accagatgct ggccgtggcc 180

gcccgcgggt accgcgccat cgcgccggac tggcgggggt atggcctctc cgaccagcca 240
 ccggagccgg aggctggggc ctacagcgac ctgacagagg atctnctcgc cgtcctggat 300
 gcgc 304

<210> 7453
 <211> 409
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g12b1

<400> 7453

tgggctgccc gtgctgcggg gagctcggat gatcgcgcgc tgctgagcgt ggcgtccctg 60
 ttccccggcc cggcttgccc cgcgacagca gagcacggac ccagcgctgc ggcgtcagcg 120
 aggatgagga tcgtccacca gcacggccca tgctctcctc tggccgatgc gcacggcaag 180
 cggccggccc acgacgagat cctcgccgcc gaccagaacc gcgtcgtcgt cggggacggg 240
 gtacctggac ttcgggcccg ggtcggcggg caacaacgcg aggctgacgc cgatgctggc 300
 cgacaagggg ccgacgttct actacgtggg catgaccggc atccgcgtgg gcgggcagca 360
 ggtgcccatc gcggagtcgg tgttctccac ggacgggacg ctggtggac 409

<210> 7454
 <211> 102
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h01b1

<400> 7454

ttgaagaacc cgctggacgc catgggcgcc ttcttctcgg cgcaggtgaa ccgccgcaag 60
 ctggtctcca cgcagaagct ggccatgtcc gagcgctgca cc 102

<210> 7455
 <211> 177
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h02b1

<400> 7455

tgtgcttagg gtgaagcaga ggccaagtac ctgtctggcc tcggtatcgc ccgccagcgc 60
caggccattg tggatggcct gagggacagc gtccctgggct tctcagtcaa tgtgcttggc 120
actcactgca aaggacgtga tggacatggg gctgatcacc cagtactttg ataccta 177

<210> 7456
<211> 225
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h03b1

<400> 7456

acctgttttg tggcgatgtg ctgcgccgag cagcagcgc acgccggcga gacgcagtgc 60
ctcaccaca ccgtcggacg gatgctcgcc acgctcgagc tcaggtccac cccaatcaac 120
accaagggct acgagacgct gctccggctc gtcgacaaca cctgcagcga cagcttcgac 180
ctctacaacg gcctcttcat gtacaacaag aactccaccg acctg 225

<210> 7457
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h04b1

<400> 7457

tttcggtgtc catccaagga cagctttcta tcaggcattt ctcaagttgg cgaagtccat 60
atggttattg cacaggctgg cgtactcttt cgatccaaag gtcagggtct tccaagtga 120
aaaggggaagc gagttctcgg agattcacat ggaaagcgta gtcaagaaca tggctcttga 180
tgaaagtgcc gagaggccta aagtaggttt aatggtgatg cctggtttct tgattgggac 240
tagcgtcata caggccccgag tgtacctatc agatgtcaaa tatgctgact gaaaatgctg 300
cagctgcttg ggaagattca gggcgtatta gttcctgcgg gtcatttag ttgcatctga 360
aatggcgggg gac 373

<210> 7458
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h05b1

<400> 7458

tcaagagcta ccaaacgccc tactttaatt ttaattatcg ccgctgctcc cacgcgcgtt 60
ccacgtacgt agcgacgacc ttccgctcgc ttttcttccg cctagtctgc ccgccagatc 120
tgcattccgcg gatatgaaga tcacggtgcg gggatcgacg gtcgtggtgc cggcggagga 180
gacgccgcgg ctccggctgt ggaacgcaa cccggacctg gtcgtgccgc ggttccacac 240
gccgagcgtc tacttcttcc ggcgcggcgc gggggg 275

<210> 7459

<211> 256

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h08b1

<400> 7459

tccacgcgtc cgcgccctacc ttggcaagga taccagggag acaacaaagg ttttcttgtc 60
agcaagaaaa agatggcgac ctctcctgaa tctctgtgtg gcatttgctc acagtctttt 120
cgacactttg ttgagtatgt tgtgaacttg aagtttgacg aagaacctaa ttacgccaaag 180
tgcattcttc tttttgacgg cattgttggt ccacatccag acaccagacc aataaacaca 240
gatggtgctc agaagc 256

<210> 7460

<211> 440

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h10b1

<400> 7460

tggaagcctg gatgattggc tccataacag ggatgatggt gctatctcat tgcttgactg 60
gcctactcgg ctcaagatcg cacaaggagc aagcctgggc ctttcttata tccatgatgc 120
ctgcaaccct caaattgtcc atcgtgacat caaatctggt aatatcctac tggacaaaga 180
atttaaagct tatgttgacg actttgggct agccagattg atccttccca acaacactca 240
tgtcacaacg gagctggtag gtacgatggg ttacatccca cccgagtatg ggcaatcatg 300

ggttgctacg ctgagaggtg atatatacag tttcggagta gtctgcttg agctgctcac 360
 aggaaggcga cctgttttcag tgttttgtac accaaaagaa cttgtcccat gggttttaca 420
 gatgaggtct gagggaaagc 440

<210> 7461
 <211> 299
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189018h11b1
 <400> 7461

tttgtgtttt tgaaacccaa tgcccatgat agtggaaaat catccgcaga taatataagc 60
 gacctgcaag ctgttttgca tagccttcct caagccgagc ttcggttgct atgttcattg 120
 cttgcgcattg atgggttatc agacaatgca tatctccttg taccagaagt tctgaaaaag 180
 attgtagctt cggtcctttc atgtgaagcc atttataaat gagctttcac gttcgatgca 240
 caattcgact gtttgcgcca tgaacgagct tcacttgat gaagattctg aaaaggcaa 299

<210> 7462
 <211> 423
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189018h12b1
 <400> 7462

tggacgcgtg ggcgatttgc atggacaagg gccacctcgg tggcggcgga ggaggaggag 60
 gactgctcgc cctggacgcc tcgccgcggc agctcggctt cctgaacttg ctatcacccg 120
 cgccgttcca caggagcatg gaggcggacg acggcggcgg tggcggcgga ggcaggggga 180
 ggaggtccat cgaggttgac ttcttctccg acgagaagaa gaacatgaag aagagccgcg 240
 catcgcccg tgcgtgacgcg gaggaccaca aggatcaggc ctacgacgcc ggactcgcca 300
 tcaagaagga ggacctcacc attaacctcc ttaccgggaa caacacgagg agcgaccggt 360
 ccatggtggt cgacgacgac ggggcgtccc gggccgacga ggacaggaac ggcaggaaca 420
 ccg 423

<211> 434
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189020a03b1

 <400> 7465

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 ctgcgatcgg atttgagggc tacgagaagc gccttgatat caccttctct gaggcacaa 120
 tctttgctga ccctcatggc cgtggcctgc gcgccctctc cagggccag attgactctg 180
 ttcttgatct tgcacggtgc accattgtgt ccgagctctc caacaaggac ttgactcgt 240
 acgtgctatc cgagtcgagc ttgtttatct actctcagaa gattgtgatc aagacctgtg 300
 ggactaccat gctcctgctc accattccaa ggattctcga gctggctgaa gagctgtgca 360
 tgtcgcttgc tgctgtgaag tactcccggt ggatgttcat cttccccggt gcacagcctg 420
 ctccccacag gagc 434

<210> 7466
 <211> 389
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189020a04b1

 <400> 7466

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 ttccttagcg acgagggcac ccagagctcc acaggaaaga agcgcgaccg gagaaagaag 120
 gagagcaaga tgtcgtcggc gttcagcggc gatgagacgg cgcccttctt cggcttcctc 180
 ggcgcgcggc cgccctcgt cttctcatgc atgggggagg cctacgggac ggccaagagc 240
 ggcgtcgggg tggcgtccat gggagtcacg cggccggagc ttgtcatgaa gtccatcgtg 300
 cccgtcgtca tggcgggagt gctcggaatc tacggcctca tcatcgccgt catcatcagc 360
 accgggatca accccaaggc caagcccta 389

<210> 7467
 <211> 444
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020a05b1

<400> 7467

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gagcaggcga cacaccgccc aggccagct gcagctccgg cgagatctcc ggcgaccctt 120
cgagatgagc cgcggatcgg gcgcgggcta cgaccgccac atcaccatgt tctccccga 180
gggccgcctc taccaagtcg agtacgcgtt caaggcggtc aagtcggcgg gggtcacctc 240
gatcggcgtc cgcggcaagg actccgtctg cgtcgtcacc cagaagaaag tcccggacaa 300
gttgctggat gacaccagca tcacgcacct cttgtcgatt accaagtaca ccggcttgct 360
tgccaccggc ctacagctg atgcgaggtc cttggtctcc caagcaagaa atgaagcagc 420
tgagttccgt aaaaaatggg gata 444

<210> 7468

<211> 350

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020a06b1

<400> 7468

tcctcgcgtc cgccacgcgt ccgccgtgat cgagcacaca gtcctaatcc ccaagtctaa 60
ccccatggct ggctaccccc cccccccgg ctctggctac ccctacggcg ccgctggcgg 120
ctacggagcc ccaccgccct ccggccagaa gcccccaaa gaaggcaaga cctcttcctc 180
ctccggcccc gaccctacc acggcgctcc gccccgcag cagccttacg gcggcggcgg 240
cggctacgga gcccaccgt cctacggcca gaagcctccc aaggaaggca agacctccta 300
ctctccggc tccgaccctt accacggcgc tccgcccccg cagcagcctt 350

<210> 7469

<211> 393

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020a07b1

<400> 7469

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caattagggc attcaaatcc cttacattcc taatcattga caattgtgag aacctggcaa 120
 cccttgatgg tcttctaaca gaactatgtt tgcctgccat tcgaaagatt gatgttagga 180
 attgtggcaa gttacagttc ctttttgggtg aaaggcctgg gagttttcct tcccttgaag 240
 atctgttgct tcatgattgc cctagcctca aatggccaag ggaattagtg ttaccatcat 300
 ccctaaaaaa gctccactta gttcgatgtg gggatatttc ctcttggttt tcaagctgtc 360
 tacagaacct caaatctttg gctgaactgg ctt 393

<210> 7470
 <211> 412
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020a09b1

<400> 7470

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 atggtggcca ccgcctgggc tccgcaaagg gctatcctgg ggcaccgggc ggtggggggcc 180
 ttcgtgacgc actgcggatg gaactccgtc ctggagacgg tggcggcggg cgtgccggtg 240
 ctcacatggc ccatagtgtt cgagcagttc atcaccgaga ggctgctcac gcaggctcta 300
 gggatcgggg agcggctgtg gccggacggc gccggcggtc ggagcacgag gtatgaagaa 360
 aacgaggtaa tccccgcca agatgtggca cgggcattga cgaccttcat gc 412

<210> 7471
 <211> 425
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020a10b1

<400> 7471

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 aagggagata taaaaacaaa cagttacctg cctatccatc gtgaagcccc tgctttcggt 180
 gagcaagcta ccgagcaaca aatccttggt actggaatta aggttggtga tctacttgca 240

ccctatcaaa gaggtggttaa aattggtctc ttcggtggtg caggggtggg caaagacaga 300
gaaaccacca tgggccttgg caacgttggt ggagaacgta cgcgtagagg taatgacttg 360
tacagggaaa tgattgagag tgggtgcatt aagcttgacg acaagcagag tgagagcaag 420
tgtgc 425

<210> 7472
<211> 384
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189020b01b1
<400> 7472

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ccgaggtctg acctgggctc caacccttcc aactcatccg gctggctcgc tcttgagctc 180
ggcgtgatcg tcgcgcagat ggtcatcacc accaccgttg tggccacctc cccaaaggaa 240
cgccccgcgt ggccgcttcg gctctgggtc tgcgcgtaga acgtcggcaa cgtgctcagc 300
ctcccactcc tctactggcg ccaccgacat tcatcgcccg ccggacgagg cgacgacccc 360
gagatgcacg gtgccggtga cgct 384

<210> 7473
<211> 439
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189020b02b1
<400> 7473

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gaccagagcc gcaacatgga catcgaccgc ggcgcgctgc agcaccagca ccagctggac 120
gagacgcagc agagctgggt gctcgggccc ccggaggcca agaagaagga ccgctacgtc 180
gacctcgggt gcgtcgtcgt caagcgcaag ctctctggt ggatgctctg ggtcgtgctc 240
ggcgcttcg tctcatcgg cctccccatc atcatcgcca agaacatccc caagaagaag 300
ccccacgccc cgcggtccga caagtacacc gacgccctcc acaaggcgt cctcttcttc 360

aacgcccaga aatccggcaa gcttcctaag aacaacggca tcccgtggcg cggaactcg 420
ggcatgaagg acggcgcg 439

<210> 7474
<211> 379
<212> DNA
<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189020b03b1

<400> 7474

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gttctccgaa cggttatacg ccctttggga atatcaaaaa gatcaatggg gattcaagct 180
cagccttccc tgccccaga ggccctccac ccagttcaat gccgaccttc gaaactattc 240
cgagacttcc cccttactgt tcaattccaa cccatgggtt gcagaaggca ttcctcctc 300
cacctgccta tgactacaat cagtttagct tcagtaggcc ttccgcagtt aatccatatg 360
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<210> 7475
<211> 321
<212> DNA
<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189020b04b1

<400> 7475

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catgtcgtg attccccgag gcaacgcctt cgacccttc tccctcgacc tctgggaccc 180
cttcgacggc ttccccttcg gctccggcgg cagcagcagc ggtggcagcc tcttcccctc 240
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<210> 7476
<211> 433
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b05b1

<400> 7476

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agctgacctg gacgattcta gcttgaacat ggataatgag gtttgcttca caattttgca  180
aacattgatt cttttactaa gtttatcaac aagtcgatat agaatcagta actgcagttc  240
tggaactatt tacaggaatg tgcggctgct tttgtatttt tcaaaactcg gtatggagca  300
cttggtgcgt cagacgttct tcagacatcg aaccctacca agtggggttac tgatccagct  360
ccagaaccaa atgatgtgta ttggtcaaac atttggcttc cctacaagca gctttggatt  420
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<210> 7477

<211> 337

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b06b1

<400> 7477

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acctatgtcg gcgaggagat cctcgtcgcg gccgtggcag ggcgtctgtg cagctgcacc  180
tgtcttggga acagcacgtc gtcgtggccg tcgtcgagtg actcggcgac ctcgtcgtcg  240
cggccgtagt cggatgcctc ggcggtgctg cagggcggtg acgtcgcggc cgtcgtcggt  300
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<210> 7478

<211> 406

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b07b1

<400> 7478

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tgcccgggtg cacccttatg ttcttccgcg atcgaggccc gtaggcaccc ctctgtccgc 180
cgcatctcag gcgacgtcag cgacgaccaa ggacagcagg agcgccacaa gaacacttca 240
tcagcaatac attgatcagt agttcctgag gtgcaccatg gaaattatca tcctcatctc 300
acttgttgtg cttcttgtac tgggagcact ctttgcctatc ccggatccaa aacaaaggtg 360
aaggaaagga tgcacgtgca gcctgaaatg gaacgacatc tacgag 406

<210> 7479

<211> 376

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b08b1

<400> 7479

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tggtgcccc tgtatcttca tcttgtgaat tgtcccgatg ataagaacat gtgcactgtc 180
tccacctgcc gtgtaaatat atgtgtgcct gtataacaga agactgagac tgtgctagct 240
atgtttgtgg ctctctagtc ttaccggctt tccgtgacag caattacact gttggaaaat 300
gtatctgctc aaagagatat tcagaagcat atcaagacgt ttgaaaaaaa aaaccacgc 360
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<210> 7480

<211> 250

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b09b1

<400> 7480

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gcggagatgg gcgggcacgg cgggctgaac atcctgccgc agaagcggcg gaacgtctac 120
aggttcgaca accaggagaa ggtccgcgtc gacgaggccg aggccgccc ccaggaccag 180

ctccagcgcg aggccacccg ccgccgagag tcgcacgccc gcctcgtcgc gctccgccc 240
aaccggggcc 250

<210> 7481
<211> 107
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b10b1

<400> 7481

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<210> 7482
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b11b1

<400> 7482

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gtggttttcc ttggcctgcc cttcttggcg cattgtttcg tccgtctcga tagtcgacag 180
tctgaagctc tcttgggact gacttgggag gtgaggtgag acggcgcggc agcaatggct 240
caccggctgc tgcacggcac cctccacgcc accatcctgg aggccgacaa cctcaccaac 300
cccgaccgcy ccaccggcgy cccccccag atcttccgca gggttcgtgga ggggttcgag 360
gagacgatcg ggcgcggaag gggtcgacgc agctgtacgc gaccgtcgac c 411

<210> 7483
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b12b1

<400> 7483

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cccgatctc gtctctgccc agagatcgaa ggaccttctc tgttgtctga aatttgtacc 240
caagtga gca gctgtactga agaacatcga acgttttgca gtgcatctaa ctaacctgac 300
ctcacaagtg ctgatttgta ggtctgctct gaaattagaa gttggcttta tctgaagacc 360
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<210> 7484
<211> 307
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189020c01b1
<400> 7484

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aggttgccgc tccggttgcg gccctaccc cagttcttgg agagcccatg gacttgatga 180
ctgctctgca gcttgatg aagaagtcaa gcgctcatga tggccttgct aagggactcc 240
gtgaagctgc gaaagcgatt gagaagcatg ctgctcagat ctgtgtgctt gctgaggact 300
gcgacca 307

<210> 7485
<211> 443
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189020c02b1
<400> 7485

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ccgtgcagtg ctaccaaagg aggtcgaggc tgcccggacc tccgtggaga acggcaccgc 120
cgcgacgag aaccgtatca ttgaatgccg gtcatacccg ctctacaggt tcgtgcgcaa 180
ggagcttggg actgagtact tgactgggga gaagacacgg tctcccgagg aagaggtcga 240
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agagtggaat ggtgagccct tgcctatctg ctgaacagag gatcaagaaa ctgaagagaa 360
gacagtgtgc agaaggctct gtatcttctt agctgataag tgataatagt ttttcaattg 420
tattttctta agatcgatgt ttt 443

<210> 7486
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c03b1

<400> 7486

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tcctcctcct ccaatctcca gcaacgaatg aaggagaagc tggcaaccat attcatatcc 180
ataatccata tctatatgcg agctattgct tgctagaaag cttcttgctc gcatactcgg 240
aaatgggcgg atacgagttc cagagggcgg agctagatgc actggaaggg cgtcgtacgc 300
gateccaactg cggagccaat gagtctgacg ttgccgcttc tcaggcacat aacaaatgat 360
ttctcccctg aatttgaaat tagtaaagat gat 393

<210> 7487
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c04b1

<400> 7487

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cccgtgagaa aagcgaagcg cgagaggaaa ggactgaac tagtttgcaa caaagaagag 120
ggaaaatgtc taccgctgag gcaacccgtg aggagaatgt gtacatggcc aagcttgccg 180
agcaggctga gcgttacgaa gaaatggttg agttcatgga gaaggtggca aagaccgctg 240
atgttggtga gctcactgtt gaggagcgca acctgctctc tggtgcttac aagaatgtga 300
ttggtgcccc gagggcttcc tggaggatca tctcctccat tgagcagaag gaggagagcc 360
gtgggaacga ggcctatgtt gcttcaataa agagtaccgt accaggattg aaactgagct 420

cagcaagatc tgtgatggca

440

<210> 7488
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c05b1

<400> 7488

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acggccatgc agacggacca ggcggggact aagagcgggt ccacctgcc ggcgcactgc 180
tgcaaacagg aggagaaagc ggtggccaag cctcagcttg ttgttggcga tctagtggac 240
ttggcatcag cggaggagca aggccagaag cctagccctc accggagtaa caaaaagaag 300
atccaccacc accaccatga cgacgacgac gacgatgatg atgggtg 346

<210> 7489
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c06b1

<400> 7489

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ttccactaca gcggccacgg cacgcggctg ccggccgaga ccgggcagga cgacgacacc 180
gggtacgacg agtgcacgtg gccagcgcac atgaatctca taacagatca agatttcaga 240
gatctggtgc agaagggtccc ggatggttgc atatttacca tcgtctccga ctcatgccac 300
agtgggtggc tactggacaa ggcaaaggaa cagataggca atagcaccag gcagaatcag 360
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<210> 7490
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c08b1

<400> 7490

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tggtgcagga atgaggatga taacaagaca gatcggacct ggcatgatcc aacagatgaa 180
tactgtttgc cctgaatgca gaggatcagg cgagatgata aatgacaagg atagatgccc 240
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gggaatgcaa catggccaaa agattgtatt ccagggtgaa gctgatgaag ctcttgatac 360
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<210> 7491

<211> 412

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c11b1

<400> 7491

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cactgagttt gatgagaatg aaaatgggcg tgccaaggcc aaggccccaa caaataacgt 180
agatggaatg aaaaagggtt tgaaagattc tgctactgtg aaagccgagc cacaagattc 240
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ttttggggca aaggctttaa taggcgaagg gtcttatggg agagtgtact atgctgtcct 360
tgatgatggg acaaaaatgg cagtgaagaa actcgatgct actgaaaatg ag 412

<210> 7492

<211> 407

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c12b1

<400> 7492

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gcgcgaagct gtcggcgaac ccggagaagg tgacgagcgc gctgctgctg ggctcgttcg 120
 tggcgctggc gttccggctc tcggagcagc agggcgagat cgacgagctg gaggcccgca 180
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 agctcgtaa gctcgccgcc atgcctccc cgcccatcac cgccgcccgc ctccgccaca 300
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<210> 7493
 <211> 440
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020d01b1

<400> 7493

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 ctgctgtcct gcaacacatc agtggtgtga agcctgctat gctgcctgct gtgttccccg 240
 gcttcatgtc agtatcacct gctcaaatag aggagagtgg atttgagagc agcactgttg 300
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 ttgttaaacc cggggaagat 440

<210> 7494
 <211> 102
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020d02b1

<400> 7494

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<210> 7495

<211> 393
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020d03b1

<400> 7495

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tctcgtcttc gctctcctgg cgccccgtgg cgaccgtcgg agccaggggc ccgctcgctg 180
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cggaaccaag atgctggggg tggctgaact cccagccact gttgctgcac tgaagaacc 360
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<210> 7496
 <211> 412
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020d04b1

<400> 7496

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caccgggttc gccagcatct acggccaccg cgtaggcatc atcgccaacg acggcatcct 180
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cggcatcgcc aagcacggcg ccaagctcgt cacggcggtc gcgtgcgccg acgtgcccac 360
gttcaccgtc gtcgtcggcg gcagctacgg cgccggcaac tacggcatgt gc 412
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<210> 7497
 <211> 337
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020d05b1

<400> 7497

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acgcctcca ggcgtggct gccggctcca cgcacca 337

<210> 7498

<211> 378

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020d06b1

<400> 7498

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gccgcccggt gatgtcggac gaaggggagg acgcgcccggt ggccggcggtg gcggcgggct 180
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gcgtcgagca gctcgagt 378

<210> 7499

<211> 451

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020d10b1

<400> 7499

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gcaagtcttg gttgatagtt totgccagaa gctttagaa gaatttaate gttctccagc 180

tcgagtcgga agcagagctc tacaggctac acagggttcga ggatgggtcc ttgataagct 240
ccctgcatca actcctaaac ctgcttcctt gcctactact tctgaagaaa agccttttagc 300
ctcagaacca gatgcggttag tttctgagat aaagacttca gcttctgaag aaaaagcttt 360
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gactacagat aagggttcctg aatttgaaga c 451

<210> 7500
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020d11b1

<400> 7500

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cgcaatacta tcagctgacg cgctcggct tcgaggggta caagcacatc atggagaact 180
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tgtccaaggc ggacggcgtg ccgctgggtg ccatcaggct caaggacagc accaacttca 300
gcgtgtttga catctcggag aacctgaggc gggtcgggtg gatcgtgccg gcctacacga 360
tgccggcgga cgctgagcac gt 382

<210> 7501
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020d12b1

<400> 7501

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gctctcccgg tgaacaagga cagggtcata agcaagatgt tcctccgtgg ggattcggtc 180
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gacagttatc aagcaagcat tgctgtact gattaatggt ttggtgctgt agtctggatg 360
 ttatgaattc acgtctttgt agtatctaata ctaacaacgt gcactggttag cctctgtttg 420
 gatcatc 427

<210> 7502
 <211> 443
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020e01b1

<400> 7502

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 caatatgaca gtgatgttaa tcg 443

<210> 7503
 <211> 363
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020e02b1

<400> 7503

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 caagcatctt gggcttagaa gattatggca ttgtccacca gctaattact agtgtttcaa 240
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 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020e03b1

<400> 7504

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 aacttcctct tcaatctaaa acaggatggg aaagttatgc ctaatggacc tgttgaatt 240
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<210> 7505
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<223> Clone ID: uC-tsrow189020e05b1

<400> 7505

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 tctcaaccgc caattcccgg ccgacgtcgt tctcggcaac ggcgagacct tcaagggtag 240
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<210> 7506

<211> 398
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020e06b1

<400> 7506

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caagctcatg cagagcttca agtctaagga atacgtcagg gagaccttct cgtggcagca 240
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<210> 7507
 <211> 431
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020e07b1

<400> 7507

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gaagggggga aatcaatccc catgccccca cccctcgccg gaccagatcc ccggcgggcc 180
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 <211> 407
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020e08b1

<400> 7508

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tactgatat gaccgtgtcc aagttcaaga aggtgatttc taccctcaac caccgcactg 300
gccacgccag gttccggcgc gggcctgtgg tggcgcagtc ccagggcccc gccgtgtccg 360
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<210> 7509

<211> 426

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020e10b1

<400> 7509

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<210> 7510

<211> 427

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020e11b1

<400> 7510

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<210> 7511
 <211> 411
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020e12b1

<400> 7511

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 ccttgctctt tgtggttcct acgggcatca tccgagccat gaccggcgtg gaggtcacac 240
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 aacttcttca agtcgtttgg ttatgtaaca tgtgcgcgat cactctcgtt ctccaacgac 360
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<210> 7512
 <211> 379
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020f01b1

<400> 7512

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tttatactgc tgttctggag gaaaggagtt ctgcagccaa aagggccttt gcgtcttctt 180
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 cttctctgca tttaggtgaa aaaagttctc agttatctgg tgcagttctt attaaatcgt 300
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 <211> 386
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020f03b1

<400> 7513

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 gaatecctcc ggaccagcag cgcctcatct ttgctggcaa gcagctagag gatggccgca 240
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<210> 7514
 <211> 441
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020f04b1

<400> 7514

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 ccatcctcgt cgtcttcttc gccctctcat tcatectcct gagtacgtac gacgaccgcc 180
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ccgaagaaga agccccgcaa gcccaagccc cccaaccgcg gtcgcatcgg caggttctat 360
cagtcgcaag cacaagcaca gaggtgaacg aagcctcttc tcatttgga attggcttga 420
tgccaacaat tggcaacatc a 441

<210> 7515
<211> 422
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189020f05b1
<400> 7515

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cacggtatac aaagggatca tgtcagacct gcacgtcgtg gcgatcaaga agtccaaggt 180
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gtacgagttc atctccaatg ggacccttta ccatcatctt catgtccaag aaccgcgcc 360
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cc 422

<210> 7516
<211> 331
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189020f06b1
<400> 7516

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cgatgttgca atcgaagact gatgatacca caggctactt ggcaactaat gtatcctctt 180
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ggcaatacaa agtatcacag gcagtgaatg g 331

<210> 7517
 <211> 405
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189020f07b1

 <400> 7517

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<210> 7518
 <211> 250
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 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189020f09b1

 <400> 7518

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 cacacgccgt gcctctacgc ctacgtactg cgtgacccg tcgtctgccg gcaagaacgt 180
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 cgagcgcctg 250

<210> 7519
 <211> 449
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189020f10b1

 <400> 7519

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 ccgtcctgga tgagcagaag ctgcgggcgc agggagatga gcctgtagtt gaggatgatg 180
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<210> 7520
 <211> 448
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189020f12b1
 <400> 7520

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<210> 7521
 <211> 328
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189020g01b1
 <400> 7521

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atccgccgca agatgggtga gatcatggtc aaccaagctg caagctgtga cttgaaggag 240
cttgtgaaca agttcatccc tgagggtgat cggaaaggag attgagaagg ctacctcaag 300
catcttcccc ctcagaaacg tgtacgtc 328

<210> 7522
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g02b1

<400> 7522

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aatctccgtt caacagcaag gtcattggcag aaaccataga tctaacaggg gatggaggcg 180
ctcttaagac ggtggtcaga aaagcaaagg atgatgctat aagcccatct gatagccttc 240
cattgggtga tggtcattat gaagggacac ttgctgaaaa tggcgaagtt tttgacacca 300
cacatgaaga caattctatt ttttcatttg aagttggcca gggagctgtc attaaagcat 360
gggatatagc cttaagaact atgaaagttg gcgagattgc aaaaataaca tgca 414

<210> 7523
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g03b1

<400> 7523

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tcacgccgcc gcccttcata acgtccttca ccgagcttct gtcaggggtcc ggcgccggcg 180
acgcggagcg gtcgccaagg ggggttaacc gagggggccg ggccggggcg cccaagttca 240
agtcgcgcga gccgccagc ctgccatct cgtcgccctt ctctgcttc tccatccctg 300

cgggcctcag ccctgctgag ctgctcgact cccccgttct cctcaactac tcccatat 358

<210> 7524
<211> 443
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189020g04b1

<400> 7524

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gagcgaccat ggcctacgtc gagagagggtg ttgtgaaagg caaacggaca atctggagac 180
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caatgttttc tatcgagaaa acagacagct ataagaaagg atatggtagt ggtaagaagg 300
cgattggtgg acctggggng ggaggtcctg gtgggggtcc aatgggtgctg gggccgcgtg 360
gncaagggtg ccctcgcggt cctcgcacac tatctgacct ccgatcaaac gatcagagtt 420
ccctccctgc ttgtggatcc tgc 443

<210> 7525
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g05b1

<400> 7525

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<210> 7526
 <211> 444
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g06b1

<400> 7526

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<210> 7527
 <211> 320
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g07b1

<400> 7527

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ctgtggcgcc gaccagttcg 320

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 <211> 324
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g08b1

<400> 7528

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<210> 7529

<211> 66

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g09b1

<400> 7529

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<210> 7530

<211> 438

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g10b1

<400> 7530

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438

<210> 7531
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g11b1

<400> 7531

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ggggccgccc ggccgggtcc aagaacaagc cgaagcctcc aatcatcatt acgcgggaca 120
gcgctaacac actccggacg cacgtcatgg aggtcgcggg cgggtgcgac atctccgaga 180
gcatcacggc gttcgcccg cgcgggcaac gcggggtctg cgtgctgagc ggcgcgggca 240
ccgtgaccaa cgtcacgtg cggcagcctg cctcgcaggc gcggttgtcg ccctccacgg 300
ccggttcgag atactctcac tgtctggctc cttcctaccc cctccagcac caccggaagc 360
cacggggctc accgtctacc ttgccggcg 389

<210> 7532
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g12b1

<400> 7532

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gccggcgctc gtcgtcgcta agtgcaagta caccatcgcc atgctctccg atcccagcgc 120
cgcgctatcc gttgttttcg acaaggatgg cgtgctcgag caaatcggag agggcaaggg 180
ctacgtggat atgtccactg ttgatgctgc aacttcttgc aagataagcg aggcggttaa 240
acaaaagggc ggagcttttg ttgaagctcc agtttcaggg agcaagaagc cagctgaaga 300
tggccaatg gtcattcttg ctgcaggcga caaggcacta tatgatgata tggtcocctgc 360
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gaac 424

<210> 7533
 <211> 223
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189020h01b1

 <400> 7533

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 ggcgggcgcg atggggatcg gcgagcactt tgagggcggtg aagcagcact gggcgcgcaa 120
 cttcgcttc ctcgactact tcaagaaggt ctacggccgc gaccagcccc tccccaagtg 180
 gtccgacgcc gacgtcgaag agttcatcgc ctccgacccc gtc 223

<210> 7534
 <211> 209
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189020h02b1

 <400> 7534

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 aaccgctggc atccggatat cctcctgtt gctgatgtaa ctgaagggga attattccgt 120
 gttgagatgg tctattgcac tggaggaccg attagagatg atgactctgc agatgatatc 180
 aaatttctgg acctcaaaat tactcatta 209

<210> 7535
 <211> 237
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189020h03b1

 <400> 7535

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 aaggattcca cgggatcgaa agcaacagcc tcgatccata catccagctt ttctgaaagc 120
 acaagggggt taaaacccta gctggattgg gcggcggggc ccttcgcca tttgcccgt 180
 gctagagtag ttgcgtgctc cagagacttc cagttcgtgt tcgtggggcg gcggcg 237

<210> 7536
 <211> 290
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h04b1

<400> 7536

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 caatctgagt ggaaagagct caaaagccaa aggagggtgc agccaaaaag tcaataatga 120
 aaatggtggt gctcgatcgt ttaaaggccg gcaaaaagat gcaaaaccac aagaggatat 180
 taagtcaaac aaagatgaca ttaagaaacg caaggtagtg gaagaagctg aagcaagaga 240
 agagggtgaa atttcagagt ctgaagaaca gattaaatat cgtttggaag 290

<210> 7537
 <211> 195
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h05b1

<400> 7537

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 cgacgcggcg gcggccgagc ccagaggcgc ggccccgtcc tctcctccg gcggggcggc 120
 gcccgtcacc gtcaaccacg cctccgcgc ctcgcctcg ccggtgcgc cctcgcccac 180
 ctgcgcgcac gccgc 195

<210> 7538
 <211> 244
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h07b1

<400> 7538

tcacgcgtcc ggagagagac cggagatggc ggcttccgcg aggcaggggg agagggcgac 60
 cagcttcgcc atggcctgca gcctgctcag ccgctacgct cgccagaacg gcgcgcgcgc 120
 ggccgagctc ggctctgaa tcaacaaggg tgaggccgag gctcacagga cggcggacac 180
 caagagccct ttgcctgggg cgaggggcga ggaggccggc aggaagaagg agaccatgga 240

gctc

244

<210> 7539
<211> 218
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h08b1

<400> 7539

cccacgcgtc cgcgggggccg tctcattcat tcccatcatg ccatggaccg atcggtttcc 60
ggcgggagag ggtactacta ctcggcggcg ccggtgggca cgggcatggg catgggcccg 120
gtcgcgggcc agctcggcga gtggctgctc cgggccgtgc agccgccggc gcccacgccg 180
tgcggggtcgc ccggcggggcc ccctatcacc gcgccgcg 218

<210> 7540
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h09b1

<400> 7540

atgcatactg caaagccctt ctgcaacttg attttatcaa gtggaatagt aaccctgaag 60
aagttctaaa acggatcaat gagtcaacta gatggtctga tgagctgcat gattatgagc 120
tacaacgcgg tttatagttt gataaggtag ctctggagga agacatcaac tatggtatga 180
gttcagaatt agagaagcat ctacaattcc ctgaccagtt gctcatgcga gaatatttca 240
atagtgtgaa aataaggaac cttgccag 268

<210> 7541
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h11b1

<400> 7541

tggaatattg gccatcagca gaggaacaaa gaaaatatct gttgaattat accaagtcaa 60
aaagaacagt aacaaagaat gtatttccta gcatccaaac acctgagttt tatgagaaga 120

tagttgttca cacactcagc cataatttcc gcaatgctac aagacttgat cgtgtgcat 180
 tgagattgcc cattgaacca caaggtgagc tagttaaata aatatacgt ggtgtaaata 240
 ctagtgatgt aaacttcagc tccggacggt atttcagtgg tagtgctaaa gaaactgctg 300
 cagccttcc gttcgatgct ggttttgagg ctgtgggaat tgttgcttct gttggagatg 360
 cagtgaacca tgtcaaa 377

<210> 7542
 <211> 274
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a01b1

<400> 7542

tgttgattgg ggagcgtcta ctgggaggta tcgcgcattc ccaagatttg ctaaaggag 60
 tgtgcactaa catcatacac atgcataaca agaccctcaa gttatatact ggcaattatg 120
 accagtctgt ccaaactcgc tctgagctcg aagagaatca actgaagctg tacaatatggg 180
 aacaggaaca tatagctaata atgaatgagc acattgcacg atttggtcat ggatctgcga 240
 agcttgctcg tcaggctcag agcaaagaga agac 274

<210> 7543
 <211> 271
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a02b1

<400> 7543

ctcacgcgtc cgccaagca agcaagctag tgggtagccc agcccagca gagcgatcgt 60
 gatcgtgatc gatggagccc agccgccacc gtgtgccggc ggccggcgcg ctgctcgtgc 120
 tcgtggcggg ggctgccgtc gctgggcgct gtggcgcgca gctgccgatc ccggtgagga 180
 cggacggggt cctgtacggc gggaagtcgg ccgcgccggc gtggggcgac ccggtggctg 240
 tcgaggcctt cttcgacccc gtctgccccg a 271

<210> 7544
 <211> 471

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189022a03b1
 <400> 7544
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 gaaatcagtg atttggacga agcaaaacta aaggagaaaag ctgcgctgtt ccatgattca 120
 tttttgacaa agttatcttt gctactgaaa ggcattggtg tggcacctcc tgataagttt 180
 ggagaaactt taattaatga gaggatcaat ggaggaacat ttactggaag cgagaatttc 240
 cagctcccaa acaagatgat ggctaattgct ggaatgcgtc ttacggtgg tgcacaatac 300
 catcgggcaa tggctgaatt tcgtctggtt gttggaagta ttcaagtgcc ccccgattac 360
 tagggaggaa atagtcaacg cctgtggtgt tgaagatatt catgatggga cgaattactc 420
 caggactgct tgtgtaattg ctgtggcaaa agcatgcgac acatttgagc c 471

<210> 7545
 <211> 318
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189022a04b1
 <400> 7545
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 gtcacatata gcgaagaaag attgaaccgc cgccgccgcc gtcgtcgca tgaagttgca 120
 gacggaggcc gtcgccgccg gggggcaggg gaggctgatg atccggcagg tgtgggcaaa 180
 caacgtggag tcggagttcc aggcgatccg gcaggtggcg gagcggttcc cgtacgtgtc 240
 catggacacg gagttcccgg gcgtgatcca ctgccccagc aagcaccacg cgacctgac 300
 cccgtcgggtg cggtacgc 318

<210> 7546
 <211> 389
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189022a05b1
 <400> 7546

tttctggaac aaacaacaca caagataaag aaatccttga aatcacagca aaggagctg 60
 gtgtttttgt catagtagct tcagttttcc ttctctctct gttctacttc atgtcgtctt 120
 gggtcgcctg gctactgatt gtattgttct gcattggtgg tattgaggta tttccccgtg 180
 tattctctac cttgtgctcg tttgatcaca ctgcaccgag agaagtattt gtacaaatac 240
 ttctctcggg gcttggttag ttttttgtat tttggtattc ggctgtgagt ttgtttctgt 300
 tttgtgtgtt gcagggaaatg catgtttgct tggtgacaat tatctctagg attaataagg 360
 attggggaaa taatactgta caattgccc 389

<210> 7547
 <211> 346
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a06b1

<400> 7547
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 ggggcgagaa gctagttagc ggggtgattaa ggtcgccatg tcggactccg aggaccacca 120
 cttcgagtcc aaggcctatg cgggggcgta caagaccttc cctatgcagg ccggcgccat 180
 ccggaagggc ggctacctcg tcatcaagaa ccgcccctgc aagggtgggtg gaggtttcta 240
 cctcgaagac tggaaagcac ggcatgcta aatgccactt tgttgactta gatataattca 300
 atggtaaaaa gcttgaggac attgttctct catcccacaa ctgtga 346

<210> 7548
 <211> 475
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a07b1

<400> 7548
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 gctttgaaac ctgctgtttt cactactgtt gatcagttga gaccaggaac caatgggcat 120
 aacttgaatg taaaggtagt gagttgtacg atcgtgattg aaaagcaacg agctgatgga 180
 acaaagatca gagtagctga ggctgtcatt ggagacacaaa ctggagtgtt cactcttact 240

gcaagaaatg cacaaattga tgtagttgtc ccaggtagta cagttgtact tcgaaatgcc 300
aaagtagata tgtttaatgg ttttatgaga ctagcagttg ataaatgggg tttagtgtaaa 360
gctgctccag aaccgcgtaa gtttgaagtt aacacagaaa atgatctttc aagtatagaa 420
tacgaacttg ttactgttga tgatgctcaa tgattaaaca agacaagaaa tcatg 475

<210> 7549
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a08b1

<400> 7549

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ctccccggcc gccgcccggc tcgcgcctc cgccgggagc gcccgccgcg cctcgcgcgt 120
ccgcgtccgc gctccggcg gctcctacgc cgacgagctc gtctccaccg cgaaaactgt 180
tgcttccctt ggccgtggga tccttgcat cgacgagtcg agtgcaacat gtggaaagag 240
attggcatcc attggtttgg acaacaccga agttaaccgc caggcttaca ggcagctgtt 300
gctgaccact gctggtcttg gtgaatatat ctctggtgct attctctttg aggaaactct 360
ctaccagtcc actacagatg gcaagacctt tgttgatgtc ttgaaggacc agaatatcat 420
gcct 424

<210> 7550
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a10b1

<400> 7550

cctgctgacg cgtgggattc gatctcggct tcctctccaa gccacgcgac gcgagaccag 60
agctccggcc atggcggcga cgatccagtc cgtgaaggcc cgccagatct tcgacagccg 120
cggcaacccc accgtcgagg ttgatgtgtg ctgctcagat ggaacctttg ccagggccgc 180
cggtcccagc ggtgcatcga ctggtgtcta tgaagctttg gagctgaggg acggtggatc 240
tgactacttg ggcaagggtg tttccaaggc tgtaacaat gtgaactcca ttattgcacc 300

cgcttttggtc ggcaaggacc ctaccgctca aactgagctc gacaacttta tggttcagca 360
gcttgatgga accaagaatg agtgggggtt ggtgcaagca aaag 404

<210> 7551
<211> 129
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a11b1

<400> 7551

tcgtaacttg ttggagcact cctgcagtag agttttgatg tttatttttt tcacccatgt 60
tttgaattgt ggccaggacg acatgtgatg gatgcttaga taaccaagct gaagaattgt 120
ccgttaaaa 129

<210> 7552
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a12b1

<400> 7552

ttttggagat catcaaccac cgctcgctgc gccaccccaa catcatccgc ttcaaggagg 60
tggtactgac gccacaaat cttatgattg tcatggagtt cgcagcaggt ggggagctgt 120
ttgagcgaat ctgtgatcgt gggcgcttca gtgaggatga ggcaaggat ttctttcagc 180
agttgatctg tgggtgtgagc tactgccatc acatgcaa atgccataga gatttgaagc 240
tggagaatgt tctcttggat ggcagtgcag ctccacggct caaaatatgt gattttggct 300
actccaagtc atcagtactg cattc 325

<210> 7553
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022b01b1

<400> 7553

tttttgacca agataattgc tgggcctaac ggccagacaa tatacgctga aattccgtac 60

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tctcccgagt cactagaggc actgtgccag caagtgaaaa gatgcactga gattgcactg 180
acctgcatgg agatcgacag acacaaaagg cctagcatag tggatatcat acacgacctt 240
gaccagaccg aaaaaaatat tgaaaatatt aattcttatg aacaagatcc atcaccgcca 300
cttgattcct cttaaagtgt gttgaacctg tagcatcagc tccacctaca actccatctc 360
caccaccttt cctaacccaa tcttatattg gatcttcaac acc 403

<210> 7554
<211> 322
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189022b03b1
<400> 7554

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tctcccttcc gcagatcttc cgggtcttcca tctcgccggt cgccacgacg ccacaccgtg 120
cttgccagca gaagagacgt tatcaaggcg ctatggctga gccggcggcg gcggcgagca 180
caaggaagct gtacgggtac gagctgtcgt ccaattcggg gcgcatcgcg gcgctgctca 240
acgagaaggg gctcgactac gagctcgtcg tcgtcgacga caccaagtcg ccggagttcc 300
tcgccatcaa ccccttgggc ca 322

<210> 7555
<211> 411
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189022b05b1
<400> 7555

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ggtacgcggc gccggtgccg tacggcatgt cgcaggtgaa catcgacggc aactgcggcg 120
ggcgccccat gccgccgag ccgacgggtga agatctactg ccgcgccaac cccaactacg 180
ccatgtccgt gcgcaacggc aaggtggtgc tggcgccggc caacccaag gacgactacc 240
agcactggat caaggacatg aggtggagca ccagcatcaa ggacgaggag gggtagccccg 300

ccttcgccat ggtgaacaag gccaccgggc aggccatcaa gcactccctc ggccagtccc 360
 accctgtgcg tctggtgccg tacaaccag actacctga cgagtcggtg c 411

<210> 7556
 <211> 434
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsrow189022b06b1

<400> 7556

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 ggttttagcc aggtctttga tatctcatcc ctccaaatat tttcacctca agagcttgac 120
 tatctaatat gtggtcgtca agaaatatgg gaggtgaat cactggtaga taacataaaa 180
 tttgatcatg ggtttactgc taaaagtcct gccattataa atctactcga gatcatgtcg 240
 gaatttacc ctagtcagca gcatgcattc tgccagtttg taaccggtgc ttctcggctt 300
 ccaactggtg gtttggtgc tcttagtccc aagcttacca tagttcgaaa gcacccttcg 360
 gtggggtgag tactttgaat caagcggggt aacggatgcc gcggatgacg atttgncag 420
 cgtcatgaca tgtg 434

<210> 7557
 <211> 476
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189022b07b1

<400> 7557

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 gacagaaacc atggcggctt cccgtgcctt ggctgcactg cttgctgtgg tggactcgt 120
 ggtctgctct ccggcgctc gtgttctcgc cactgacccc accagctcc aggacttctg 180
 cgttgctgat ataatgaacc ctgtgattgt gaacgggttc gtgtgcaaga acatgaagat 240
 ggtgacggcg aacgacttct tcttgcccgg gcttaacaag ccgggcaagt tgaacgctca 300
 gggctcggcg gtgacaccgg tgacggtgcg gcagctgcca gggctgaaca cgctgggcat 360

<210> 7560
 <211> 448
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189022b10b1

 <400> 7560

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 actttgagac ttctgccaaag gatggaatca acgtggagga agctttccaa tgtatagtaa 120
 agaacgctct gaagaacgag ccagaggaag aactgtatat gccggacacc gtggacgtgg 180
 tgggtggcaa ccgggggtcaa ggatcatcag gatgctgtta gaacctgagg ccacaactgt 240
 cagctattcc ttgacatta ctgtatttcc atggtgactt gtggaccctg atttcattcg 300
 tgaccttttt caatcacctc gtaagtgcc aaggaatgat tgatgcgtct gttccgagct 360
 gtcaatctgt ggacgtttgt gtagctttat catgattagc gtcatatctt gtgaatacag 420
 taaggcgaaa tagtgaagtg taaactac 448

<210> 7561
 <211> 430
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189022b11b1

 <400> 7561

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 agcactaagg tacttgtata taaggtgggg ttagagctg tcgaacatga cgggtggttgt 120
 cggtgaaagc ggcgatacag attatgaagg gctgctcgga ggcgtgcaga agaccatcgt 180
 actcaaaggc tcgtttaatt ctgcgcaaaa ccagcttcat gccgccagaa gctattcgct 240
 agaggatgtc gtatcgttcg acaagccagg aattgcttcc gtcgacgggt atgccccaga 300
 taacctgaaa tcagctctac aacaatttgg tgcctggag ggctagaatc accaactttt 360
 gtcagagtca gcagaggaat aagtaggtgt gtggaggcac accttgctat ggggtcgcac 420
 acgagacacg 430

<210> 7562

<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022b12b1

<400> 7562

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gcatccgcac cctcgccgac atcaaccgcg gccctccgg gttcccaggc gcaggcggca 180
gcggcagcga ctccgatgag ccccaggagt actacaccgg cggcgagaag agtgggatgc 240
ttgttcaaga tccaacaagg agaaataatg cgactcaat ctttgagcaa gctagagtga 300
tgggtgctca gcaagttcca ctgccttctt ttgaaggcca atcttccagc tcaaccagct 360
ttgcaggaac gtgtcgtctg ctttagggga tgcgcagaca gcaccagct 409

<210> 7563
<211> 198
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022c03b1

<400> 7563

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cccaccgact gagcgtctcg cccaccagat caggaggagc tgagggatcc caaccaagga 120
ggagcgcgcg gttgggcgcc taatttgagc tgattggccg gtctgtgctt attgttccag 180
cgcgctgct gatccatg 198

<210> 7564
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022c04b1

<400> 7564

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ccccacttc gcctctcccc caccgcct ggccgcaccc acctccggc gaaaaccgcc 120

ctggctcccg gccagcagcc ccggtggcgc gcgctacgca aggtgtgtcg ggtgagctct 420
c 421

<210> 7567
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022c07b1

<400> 7567

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ctgttacgcy tccagaggct agatagctcc gtccgtccgt gtccgattcc gccggggccg 180
ggcgtggata cctaggctag gcgaggcgag gcgccgccga tgtcggactg cagcaccggc 240
acggactcgc cgcgggccga ctccgtcgac gagcagccgc ccgccgacgc cgagtgcgcc 300
ggcgttggcc agagcaagcg cgaccacccc tcgccgtcgt ccccgctgcc gccgccaag 360
cgcagcggag atccgtg 377

<210> 7568
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022c08b1

<400> 7568

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gtcatgaagc agatgggtatc tgttctatat gcagtgggtga tgcaggaatg gatgaagctc 180
tactaaacag taaagttgaa gctattgttg aagagtacaa tgatctctc acgtctcagc 240
ttgacaaaca aagaaattac tatgagtcac ttctgtcaga agtcaaagag gagaatgaga 300
aagaaatttc tgcagccact tcgaaatctg tgagcatgat gaaactcaa aagttacagg 360
caaagcttga taagtgcctt gaaagaaaag ttttcttgat gatataata 410

<210> 7569

<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022c09b1

<400> 7569

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gagagcccgcc ccaccgcccc acgccttgac gccgctccgg ttccgcccgc accgcagcag 180
ccgagcgagc gagcgagagg caagatgcct aagcggacga cccacacgta ctcgagcgag 240
gacgcgctgc cggagggccc cgagtccgac ctcttcgtct actactgcaa gcactgcgcc 300
tcccacgtcc tcatcactga taccctattg cagaaaatgc caaagaggaa gaccgaccga 360
gcacatgttc tagataaggc aaagcatctt gcgagggtaa atgtgaaaga tgcaggaaaa 420
ctcttgtgaa acgtggagaa ggaaagctcg 450
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<210> 7570
<211> 385
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189022c10b1

<400> 7570

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gtgagccgcc gcgcgcccgt ggaaatgtgg gagatggacg cgctgctcta ctgcgcggtc 180
gtcgcgctgg cgcttcaactg cgtcggctgt ggctgctcgg cgatcaacct tgaaggctca 240
gcgctgctca agttccagtc cagggtggag gnaggatccg catggcgcca tggcaggctg 300
gagcgcgccg gacgccgacc ttgcggttgg aacggcatcc gctgcgccga tgacagggtt 360
gtgatgctga accaaaagat ctctc 385
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<210> 7571
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022c11b1

<400> 7571

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tgttcgcgtg gcagagatgg ccacgacatg gggctcgtgc tcgggaggac tagattgagg 180
cccagagatt ggagctttcg ctctgggttag gcgatgggtg gcttgggtgcg ggtgggtgcc 240
acgggagatg aggtccctct ccttgccgggt gcagtgttcg atgggtgggtg ttgggactcc 300
gctgttctat cgggcagatc tgtgtcgatg gccacggaca tggcattgtg agcgtgcttg 360
gcagcgg 367

<210> 7572

<211> 453

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsrow189022d01b1

<400> 7572

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ggaggctctc gtcttccctc tcctggcgcc ccgaggcgac cgtcggagcc aggggcccgc 180
tcgccggcgc cggcggccct gggagagacg acgacgacgg ttcggcctac cagcggcggt 240
tcgccatcga gtcccccttc ttcaccgccg cgagaggctt ttcttcgggt gaaacacttg 300
ttccacggaa ccaagatgct gggttggctg aactcccagc cactgttgct gcactgaaga 360
acccaactc ataaatcctt tatgaccagt acaaccatga aagatatncc tctggagatc 420
ccacaagcgt gcctttgcct actttgtctg agt 453

<210> 7573

<211> 355

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022d02b1

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<400> 7573

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ccgtctcacg gcgcggccga gaggaggatc agcgattgg cctgccctgc gtcggcgctc 180
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gccgttcccg ccaaggtgac gtgtggcatc atcgtggacg acgcgatcac cagtgaagag 300
gagtcaatcg acccagagtc cgggtgctctc gacattaccg tggacgtgga gtaca 355

<210> 7574

<211> 478

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189022d03b1

<400> 7574

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gagcgcgcgg ttgggcgcct aatttgtgct gattggccga tctctgcttc ttgttccagc 180
gcgcgtgcgg atccatggaa tcagcatcgg agaggactgg cgctatggat tcaccggagc 240
caagaatcga ggatgagaaa actgttaaac ccaccatttc acttgattca agtgttatca 300
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ctgcatatcc acaacacatt tattcatcgc aagcagaacc attctattac caaggtagc 420
gatatgagaa ccttccaaat gaatgcgatg tatatcctcc catacgagtg ttgatgga 478

<210> 7575

<211> 317

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189022d05b1

<400> 7575

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agagcagtg tggcgcagtc cggcaacagc gacgccgcc cgatcagcac ccagcccgcg 120

gcggaggagg tgacggtggg gaggacgccc gaggaggagg cggccaggct gaggtacctc 180
gagttcgtgc agcatgcggc ggtcgcaggc cgctcgtgctt gccgccgcgg cctacgcgta 240
cgccaagcag ggcgccggcc cgctccgccc cggcgttgac cacgtcgagg ggaccgtcaa 300
ggccgtcgtc ggccccg 317

<210> 7576
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022d06b1

<400> 7576

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atgtccgacg acgacctccg cgggatgctc gccgagggcg acttcgacgg cgacggcgcg 120
ctgtcccaga tggagttctg cgctcctcatg gtcaggctca gccccgacct catggaccag 180
ccccgccggt ggctcgacga cgcctcgcc caggcctccc acttcctctt caccagctag 240
gcggagcatc tgggtgctgat cggataggaa attaatcttc ttcttcgttg ttgttttttc 300
ttctctcccc cgctgttata gagtcaggat tcaagaaaag aaagggcact gtcgattggt 360
tgaatgattt cgatgtgtgc tctcc 385

<210> 7577
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022d07b1

<400> 7577

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actaatcgt caactctgga gactgttgga tacagcatat ttgcctctat ttttaatggt 120
ggttgggcag ttaccaagt cgctcacatg tcaatggtga actgcatgac gtcaaacca 180
acaagtcggg ttgcactagt gagctgccgc aatgccttca cgatggtcgc aaatcttagc 240
ttgtatggca ttgctttggt gatatttact ctaatgcggt cagtgagtgt attagttcag 300
tatcgttgga ttgcttatac ggccatttcc atcggatggt gttttgttgt cgcgttcttg 360

attggaacaa aagagccagg gttaaatacaa ccttctcagg ataagagcct

410

<210> 7578

<211> 449

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022d08b1

<400> 7578

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cgcttgggtg gggcagcgat ggagatggcg acgatggctc agacgagtcg atttttggga 180

ctggcgatgc aaatgacgtt aagctcaaga gcttcccggg atgcatgat cggcattctg 240

agctgatccc ctgcttggat aggaattcga tatatcagat gaggttgaag ctggatctaa 300

acttgatgga gcattatgag cggcattgcc ctctcctga gaggcgattt aattgcctga 360

ttccaccgcc acatggctat aaggttccca taaatggcc aaaaagtcgc gatttagtgt 420

ggaaagcaaa tattcctcac actcacctt 449

<210> 7579

<211> 333

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022d09b1

<400> 7579

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ctcgcttggg tggggcagcg atggagatgg cgacgatggc tcagacgagt cgatttttgg 180

gactggcgat gcaaatacgc ttaagctcaa gagcttcccg gtatgcatg atcggcattc 240

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<210> 7580

<211> 369

<212> DNA

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gagactttca aatgctgctc atagtttcca caaaaacgtc aagttgagta cgtttctcca 180
tgagacctct gttcgagacc tgacgttggg gtttaaattgc gaaaagggtt gggttcaacc 240
agagtgtttg accagaaggc aggcataatgc gttccagcaa ctaaggattc tcaatctagt 300
taaaattcct gaagggtatg atctcacctg gacaatgttc ttcttggaag cggcgccgtc 360
cctggaggag ctc 373

<210> 7583
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e03b1

<400> 7583
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aactgccgtc ttctccgctc ccacggcagg ccgcagaggc accgccgccg accccgctcc 120
tctccggcgc ccagcgccag cctctccgtc tccggccccg agatggatcc cgccgcgcgg 180
aaggatctgt acccgcacgt cgagcccttc gacaccggcc gcctcagggt ctccgacgtc 240
cacaccatct actacgagca gtccgggaac cccggggggc accccgtcgt cttcctccac 300
gggggtcctg gggccggcac gtcgccgggc aaccgcaggc tcttcgaccg gagttcacag 360
gatcgtgctg ttcgaccaga gaggcgcctg caagagcact 400

<210> 7584
<211> 476
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e04b1

<400> 7584
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aagtttaaag agagatcatt gagagcatag agctttatct aataaatttg cagatcgaat 120
aagtaaagag aaaaaaagaa atccaaaaaa tgtaaattta ttttttaaac gtatttgaaa 180
atttgaaaaa atatacctaa aacaaagaaa aaatcctaata atattaaata aattacaaaa 240

atataatcga catttaaaaa aatttcaaaa attctcaaaa aaaaaacccat atatttttatt 300
 ggtaaattgc gctaaatcat atacagataa agaaagttaa atggaacttt taaaagcttc 360
 agcaggacta aatccaaaag caatagcagc atcataaaaa atatggatta aattgccggt 420
 tcaatatatt gaattttttt agtcaaaagg aatgaaaaat agaaatttta gaacaa 476

<210> 7585
 <211> 372
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e05b1

<400> 7585

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 accttgacga ccatggcgac cgctcctgtc acggtggtgc cgcgcctgaa gctgggctcc 120
 cagggatatg aggtctcggc gcagggcctc ggctgcatgg gcatgtccgc cttctacggc 180
 ccgccaagc ccgagcacga catggtcgcg ctcatccacc acgccgtcgc cgccggcgtc 240
 accctgctcg actcctccga catctacggg ccgcacacca acgagatcct cctcggcaag 300
 gcgctgctgg ggggcgtgag ggagagggtg gagctggcca ccaagtctcg catctcgttc 360
 gccgacggca ag 372

<210> 7586
 <211> 330
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e06b1

<400> 7586

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 gttctaaggc tgagaagatg gttctgaaga ccgagctctg ccgttttagc ggccagaaga 120
 ttaccagg gaagggatc aggttcattc gttcggattc gcaggttttc ctctttgcc 180
 actcaaaatg caagcgctac ttccacaacc gcctcaagcc tgcaaagctt tgctggacag 240
 caatgtacag gaagcagcac aagaaggaca tccatgctga ggctgccaaag aagaggcgcc 300
 gcaccaccaa gaagccgtac tcacggtcga 330

<210> 7587
 <211> 408
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189022e07b1

 <400> 7587

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 gcagcaccag ctggacgttg aggcggctgc ggctgtcagc agcgccacca gcggcgagga 120
 gagcgccac gtgctgcagg ggtgggcaa gaggaagcga tcgcgcgcc agcgtctcca 180
 ggaggagaac ctgcgcgtct gctcctcat gctctcgcgc ggcggaagc agcgtgttca 240
 ggcgccgag ccggagtcgt tcgctgcgcc ggtgcctgcc gagttcaagt gctccgtctg 300
 cggcaagtcc ttcagctcct accaggcgtc cggaggccac aagacgagcc accgggtgaa 360
 gcagccgtct cctccctctg atgccgtgc tgccccactc gtggccct 408

<210> 7588
 <211> 363
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189022e08b1

 <400> 7588

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 tgcagaagac gaagttaatc aatgactgca atcggtttt gaaagacctt cttgatagtt 180
 tacttataga gagtactgca aacaaacgcc aatttattcg tgcttgcac tctggattgc 240
 agaagcatgt gaaggagaaa aagagacgga catctctgtt tattttggag caactctgtg 300
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 ctc 363

<210> 7589
 <211> 309
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e09b1

<400> 7589

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gggctgtggt cgccggagga ggacgagcgg ctgtacaccc ggatcaccag gcacggcgtg 180
tccacctgga gctccgtggc gcagctcgcc gggctgcggc ggagcggcaa gagttgccgg 240
ttacggtgga tgaactacct ccgggcgga cttagaagg agcccatctc caagcgcgag 300
gaggagacc 309

<210> 7590

<211> 447

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189022e10b1

<400> 7590

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tcctggacga cgagatcaac caggccatcg tccgcccgt agtgcaagg gtcaagctcc 180
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aaggcacgag cggaggccag gccgtgctca tcagtggcag cagcaatgga aagaccaga 360
tgagcgtgct gcctgagccg aatgcaacga ttggcgccct gacgcacagc ttcctcaagc 420
agtggagtgc gagccccgca ccaccta 447

<210> 7591

<211> 373

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189022e11b1

<400> 7591

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 ccgtcgagaa ggccaggcaa aagctccgcg ccctcatcgc cgagaagaac tgctccccgc 180
 tcatgctccg cctcgctgg cactccgctg ggaccttcga cgtgtcgtcc aagacaggcg 240
 gcccgttcgg gacgatgaag aagccggcgt agcaggcgca cgccgccaac gcgggcctgg 300
 acatcgccgt gcggatgctc gagcccatca aggaggagat ccccaccatc tcctacgctg 360
 atctctacca gct 373

<210> 7592
 <211> 369
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e12b1

<400> 7592

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 aagcagattc aaagcgatca tcaaggaacc ctaccccagt tatgtctatc cttgcaaagg 180
 acattggtga cctagcaatt aaggagaaaa atctgtacag tccaatattg aagacatggc 240
 atccccctgc ttcagggtgtt gctgttgcaa cgcttcattc atgttatgga agtgagctga 300
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<210> 7593
 <211> 404
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f01b1

<400> 7593

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 cttctacatt catgctaaaa tgttgcaaga ccaccgaaac cgggtgtttc atgattttcg 180
 gaatggtgct tgcagaaacc ttgtttgcac agatcttttt actagaggaa ttgacattca 240

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 ggttgggtcg ttctggaaga ttggacacc ttggtttggc ggtgaactta atcacttatg 360
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<210> 7594
 <211> 389
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189022f02b1
 <400> 7594

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 gtgatattaa gatgtggccg tacaagggtta ttcttggccc cgcagacaag cctatgattg 180
 tagtgagta caagggtgag gacaagcagt tctcagctga agaaatttct tccatgggtcc 240
 tcatcaagat gcgtgagatc gctgaggctt acctaggagt aactattaag aatgctgttg 300
 tcaccgtgcc tgcttacttc aatgattccc agaggcatgc aaccaaggat gccggtgtta 360
 ttgctggtct taatgtgatg cgtatcatc 389

<210> 7595
 <211> 292
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189022f03b1
 <400> 7595

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 tatcgccgtc ggggctcccc gtccgggagg tccggggcgg ctacggcggt cccttcttgt 180
 cgccgctgcy cgaccgcctt gactactact acttccaggg cgcgaggagg tacttccgct 240
 cccgcacgcy ccggaacggc ggcgccaccg tgctgcgcgt caacatgccc cc 292

<210> 7596
 <211> 334
 <212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f04b1

<400> 7596

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gccctggtga actacggcaa ggactacggc cgcctcgtcg tcatcgtcga cgtcgtcgac  180
cagaaccggg cacttgtgga tgctcctgat atggtcaggt gccagatgaa cttcaagcgt  240
ctttcgtga ccgacatcaa gattgacatc aagcgtatcc ctaagaaggc aactttgatc  300
aaggccatgg aggaagcaga tgtgaaaacc aaat                                334
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<210> 7597

<211> 447

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f05b1

<400> 7597

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aatggaagga catccagtac ctaaagaaga ttgctgggga tcggactgtt cctgttgagg  180
ttgggaagag ctatgtttgc agtgagtgga agcaggagct tatcacgttc tcccagttcc  240
ttgagaggat gtggtcaacc gcctgtcctt caaatttgac atatctagct cagcatccat  300
tatttgagca gataaaagag cttcatgaag acataatggt tcctgactac tgttatgctg  360
gtggagggga actccaatca cttaatgctt ggtttggtcc acacggacag tgacaccatt  420
gcaccacgac ccgcatcaca acattttt                                447
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<210> 7598

<211> 371

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f06b1

<400> 7598

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gacgagctgc tccaggcgca gtcggacctg tggcgccaca gcctctgcta cctcacgccc 120
atgtcgctcc gctgcgccgt cgacctcggc gtccccaccg ccatccaccg cctcggcggc 180
gccgcgtccc cgctccgaact ggtcgccgcc ctgtccctcc ccgcgtccaa gctgccgttc 240
cttggccgcc ttctgcgcca gtcgcccacg gccggcgtct tcagcgccac cgacgcccga 300
acgtaccgcc tcaaccgct ctctacctc ctctggagc gcgtccgcat cgacggcgac 360
gccagccaga c 371

<210> 7599
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f07b1

<400> 7599

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catggagtgt atcaacaatg ttgccaaggc ccacggtggt ttctctgttt ttgctgggtgt 180
cggagaacgt acccgtgaag gtaatgactt gtatagggaa atgattgaaa gtggtgtcat 240
taagctcgat gagaagcagg ctgaaagcaa gtgtgctctt gtctacgggc aaatgaacga 300
tgccccgggt gcccggtgctc gtgttggtct tactggtttg actgttgctg aaca 354

<210> 7600
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f10b1

<400> 7600

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caccaccaga cgtaccacgt acagagctag cagcaccatc catggccgcg gaggagccca 120
agaaggtgga ggtggaggcg gcgccggagc cggaggccgc accgccagcc gtccctgccg 180
cggagcccga ggcccccgcc aaggacgtca ccgaggagaa ggccgtcatc cccgcgcccg 240

cgccggccgc cgaggaggag aagccgcccg ccgatgactc caaggccctc gtcgtcgtcg 300
 agaaggttgc agatgaacct gttgctgaga aaccacaga tgagaaggct gcacacggcg 360
 gctcaaatga cag 373

<210> 7601
 <211> 351
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189022f11b1
 <400> 7601

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 ctcgccgac catccgtcgt acccgggggt cccgtgcaag ccggcgctcg cgggtggtctc 120
 cgacgacttc ttcttcgagg ggctggcgcg ctccggcgcc gccgactcgg ccgagagccc 180
 gttcgggtcc agcgtgacgt cgggcaacgt ggcgcccttc ccggggctca acacgctcgg 240
 cgtctccatc aaccgcgtcg acctcgcccc cggcggcgtc aaccgcgtgc acagccaccc 300
 gcgcgccgcc gagctgtgca cgtcgtcgcc ggccaatgct cgtgggcttt g 351

<210> 7602
 <211> 394
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189022f12b1
 <400> 7602

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 acgctgctca agagcgacgc cctctacacc tacatcctcg acaccaccgt cttccccctg 180
 gagcacgagt gcatgcgcga cctgcgcctc atcaccgaca agcaccocatg gggctacatg 240
 cagtcgtcgt cggacgaggc acagctgctg gggatgctga tcaagatggc gggcgccaag 300
 aagacgatcg aggttggcgt gttcacgggc tactcgctgc tggccaccgc gctggcgctc 360
 ccggaggacg gcaaggggtg tggccatcga cacc 394

<210> 7603

<211> 320
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189022g01b1

 <400> 7603

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 gcgtcgccga catcatcaac ggcacctccg ccatgggcaa gacggtccac ggccggaacc 180
 tctactccta cttcccgggg tccccctcgt ggccgcgctc caagaagagc ctcaggtacg 240
 ccatcacggc ggccaccgag acgaccatcg accggggccac gctgagcaag gtcttcgcga 300
 gcgccttcgc gcgctggtcg 320

<210> 7604
 <211> 237
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189022g02b1

 <400> 7604

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 acgtgaccat ggacggcgcg ggcgcgatcc agttcatccg gacgtggacg accctggcgc 120
 gcggcctgga cgccgcgtcc gtgcaccctg ccccgccggt gcacgaccgc acggtgctgc 180
 gcgcgcgctc tccccgcgat gccaccttcg agcacccggt ctactccccg agcaacc 237

<210> 7605
 <211> 399
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189022g03b1

 <400> 7605

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 acacgtgaac gccgactatt tccccagtg ctgcaacaac tgcaggtcct tctcgggggt 180

cgacgtctgc gacgacgccc acccccagtg ccccaagggc tgctcggcct gccgcgtggt 240
gacgccgagc cctcacaaga cgttccggtg cgccgacatg aagagcaccg tcgatggcac 300
ctgcggcggg ccatgcaaga agcactgatc cgttcaaggc ttcaggctca gacgaggtgt 360
gccgcctaaa ataaagctca gatgagatga gcagtcatg 399

<210> 7606
<211> 462
<212> DNA
<213> Triticum aestivum
<223> unsure at all n locations
<223> Clone ID: uC-tsrow189022g04b1
<400> 7606

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aacttcaagg gcgccaggat gccgagcgcg ccggcggggc cgggcgcgct ggtcaagctc 120
gggctgctcg gcggcgccgc gctctacctc ggcaacaaga ccctctacaa cgtcgaggga 180
ggccaccggg ccatcgtctt caaccgcctc gaggggatca aggacaaggt ctaccccgag 240
gggactcaca tcgtcatccc gtggttcgag agggccatca tctacgacgt ccgcgcgcga 300
cccaacctcg tcgagagcac ctccgggagc cgggatctcc agaggtgaga attggtcttc 360
gtgttcttac acgacccatg ccagagagac taccaactat gtacaggacc ctgnngggaga 420
actacaatga gagagtgttg ccttcaatca ttcatgaaac ac 462

<210> 7607
<211> 344
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189022g05b1
<400> 7607

tttcgcgtcc gcggacgcgt gggcgggacg gtgggcaaga agctcgtcgc ttcatatcc 60
ggcgtccccg cgcgcacccg tgcgcgcgac gacgttgtcc gcatggcoga gatcaacttc 120
ctctgcgtcc acaagaagct ccgatccaag cgcctcgcgc cagtgtcat ccgggaggtc 180
acccgtcgcg tccacctgga gaacatctgg caggctgcct aactgcggg cgtcgtcctc 240
ccgaccccca tcaccacctg ccgctactgg catcgatccc tcaacccaaa gaagctcatc 300

gacgttggct tctcccgctc tggccccgc atgaccatga gccg

344

<210> 7608
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022g06b1

<400> 7608

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cccaatcgcc aaaaacccta gcgccgatcc gatccgatcg agctctgctt cccctcccat 120
ggcggccccc tcgagccagg cgagcctcct gctccagaag cagctccgag atctagcgaa 180
gaaccccggtg gacgggttct cggcggggct ggtggacgac ggcaacgtgt ttgagtggca 240
ggtcaccatc atcggcccgc ccgagacatt atatgatgga gggctacttc aatgcagtaa 300
tgacctttc 309

<210> 7609
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022g07b1

<400> 7609

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gcccgaactc cccgctaggc gtttttacgt cgggtgcacga cgcgttcgcc gcgcaacgct 120
cgcccccgcc ggcgcgcac gtcccgttga gccaccagcc gagctcggcc acgccgaact 180
ccagcgtagc cgtcccctcc gccgtgagca cgaacaccgt ggaggtcagc acgtcgtcgc 240
acttttgctt ctgcaccttc tcccaccgca gaaactggcc atgcaccgcc gcggtggagt 300
ttggcggagc ggaagcgacg cacgccacag cggcggggcga ggtgtcgtg 350

<210> 7610
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022g08b1

<400> 7610

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atgcagggtta acaggtcaga taggggattt agtgtgctca atgatgggcc acttgacatg 120
cgcatggacc ctaaggcaac tttaacagca gaagatatct tgaactcttg gcctgagctt 180
gaagttgggc gtatcctccg tgattatggg gaggaaaaca attggcaatc ccttcagagg 240
cgaattgtta aagaacggaa aaagggggtt tacactctac tagcgagctt gtcaaaactta 300
tccaaagaac gtgcaccatt tcaagaggac ggcaaggctg gattaaaact 350

<210> 7611

<211> 329

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189022g10b1

<400> 7611

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caaaacagct cggttagtca taaagaaatt ggtgaggggtg ggacaaatta ttggagaatg 120
agtacattga acagcaaaac ctgtattgct ttcttcttcc gagctgattg tagccgtgat 180
accgatcccc caactgtctt ctttattcag ttcattgaca gataccgaca tggatgatgg 240
agcaatcgcc taagggtaac gactgttgcg agaagatggg ctggacctcg atctccagaa 300
attgctgcag ggtttgatca ggaagctgc 329

<210> 7612

<211> 465

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189022g11b1

<400> 7612

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agcgccccac tccggctcgt ccccgccccc ggccctggaa gagccccact ccgactcgtc 120
gcctgcagcg acccggcctt tgtcctgggc ctccctcgcc gacgaggaca acgaggatga 180
cgaagaagag ttggctccgc tgacgccgcc ggcttccaaa agcccgggtc ctgctgctga 240

cccgactatt ccatgcggtg ggcacgagga ggagacgagt ggtggatggc atgaggtact 300
gcctcggcgc ggtcggcgct gctaggcgtc accaacaccg gcatttgctc ctcgccccat 360
ctctgtctgg ctccacggtc gatgttgctg atgcctcgcc cctggacatc gtgcggcagt 420
ttgcggagat cccttatgat gctcccgttg cttggagaac ggaca 465

<210> 7613
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022g12b1

<400> 7613

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acctcccatc tccgtctcgc gtcgcgggcg cagttccact ccctcgccat gggcaagatt 120
aagatcggaa tcaacggttt cggaaggatc gggaggctcg tcgccagggt agccctccag 180
agcgacgatg tcgagctcgt cgccgtcaac gaccccttca tcaccaccga gtacatgacc 240
tacatgttca agtacgacac cgttcacggc cactggaagc acagtgcacat caagctcaag 300
gacgacaaga ctctgctctt tggcgagaag ccagttaccg tcttcggcgt caggaaccct 360
g 361

<210> 7614
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022h01b1

<400> 7614

tgtgttttca tttctgatga ctttgatggc gagctgttcc ccaggctact gagctttgtc 60
aaagggtgtt ttgactcgaa tgatctccct ctgaatgttt ctcgtagat tcttcaagaa 120
agtcgtattg tcaggatcat gcgcaagaga cttgttagga agacttttga tatgattcag 180
gatattgctg acaaggataa caaggaggac tacaagaaat tttgggagag ctttggcaaa 240
tttatgaaac 250

CCGCGGAGAT CCCTTATGAT GCTCCCGTTG CTTGGAGAAC GGACA

<210> 7615
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022h02b1

<400> 7615

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ccatttcgcc agcggcgcac ccaccaacca cccccaccgc ccgccatgag ggagtgcac 120
tcgatccaca tcggccaggc cggcatccag gtcgggaacg cgtgctggga gctgtactgc 180
ctcgagcatg gcattcagcc tgatggccag acgcccggcg acaagaccgt tgggggaggt 240
gatgatgctt tcaacacctt cttcagcgag actggggctg ggaagcacgt cccccgtgct 300
gtcttcgtag atctcgagcc cact 324

<210> 7616
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022h03b1

<400> 7616

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ccccccaccc ttaacccccg cgtccctga cggcgccat ggccgccgtc ggagagcggc 120
gcctgctcgt ggtcctgctc ctgctggccc tgatggtctg ggcgcactgc ctggacggcg 180
gcgcggggcca ccacggcccc cgcgtgaagc ggcgccgat gaagcgcgag atccactccc 240
ccgtcaagac ggtggtggtg gtggtcatgg agaaccgcag cttcgaccac gtcctcggct 300
ggctccgcgc cggccgccc 319

<210> 7617
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022h04b1

<400> 7617

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tgatttgtga gnggagtttg ctaacaatga gaacaagata acttgtgatc aagaaatgca 360
 gaatgacatc aatatatgca ttttaaggggg agagccgctt tgatgtttat g 411

<210> 7620
 <211> 368
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsrow189022h09b1
 <400> 7620

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 cctcctcctt cctctgccgc ttgccgtgtt tgggttcggga ccgaaatggc attccacgac 120
 gaggcgccgc tgctgctcag gatcaacacc gccagaggcg gccacatggg cggaggcgag 180
 tgcgacgagg ccgagaacca gcggtggccg ccgtggctca agccgctgct ggcgaccagc 240
 ttcttcgggc aatgcaagat gcacgcggac gccacaaagt tcgagtgcaa catgtactgc 300
 ctcgactgcg tcaacggcgc gctctgtacc cagtgcctcg cctaccacca tggccaccac 360
 gccatcca 368

<210> 7621
 <211> 421
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189022h10b1
 <400> 7621

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 attgcgcgca tcgactatgc tcccttgggt cagaaccacac cacatacgca ccctcgcgcc 180
 actgagatcc tcacgggtact cgagggggaca ctgtacgttg gctttgtcac atccaaccag 240
 cccgccccaa acagaaacaa gttcctctcc aagggtgctca acaaagggtga tgtgtttgtc 300
 ttccccgtgg gggtcatcca cttccaattc aaccccaacc cacacaagcc cgccgttgca 360
 attgccgcac ttagcagcca gaaccctggg gctatcacia ttgccacgcg gtgtttgggt 420
 c 421

<210> 7622
 <211> 363
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189022h11b1

<400> 7622

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gacgagaagc ggaactacca cctcaacagc aacacctgcg atgccggcaa ggtgtgcggg 180
cactacacgc aggtggtgtg gcgcaagtcg acccgcatcg gctgcgcgcg cgtggtctgc 240
gccgggaacc ggggcgtctt catcacctgc aactacaacc ctccgggcaa cttcaacggc 300
gagcgcccg tcttcaccct tgacgccgag tcttagtagt acatcgtgcg tgtgtgtttt 360
ttt 363

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<210> 7623
 <211> 426
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsrow189022h12b1

<400> 7623

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cgacctgatg atgggggacg ggatgggtga cttcggcggc gccgaagggc cggggatgaa 180
ggtgggcgag gagaaggaga tcgggaagca ggggcttaag aagaagctgc tcaaggaggg 240
cgaaggggtg gacacccccg aggtcggcga cgagggtcga agtccattac actggcaccc 300
tccttgatgg taaaaaat t gactccagcc gtgaccgtga tgacactntc aagttcaagc 360
tgggacaagg tcaagtaata agggatggga tcaaggcatc agaccatgaa gaaggggaaa 420
atgctc 426

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<210> 7624

<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a01b1

<400> 7624

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aattggcgtc ggcgacgcta accagtactg ccggtgatgt cgttgacgcc cattgataca 180
gcccattgtc atgccgatca cgagggtggg cgagtatgac gatgaagaca ggaagcttaa 240
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cgctccggcc ctctcgtcc tggtgccatg gcaacgacgg gagaggaggc ctgctctgct 360
ccgtgtgc 368

<210> 7625
<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a02b1

<400> 7625

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accagcaaag accgatggga ttcttggctt tagcagtgcg gcaataagcc ttcttagtca 180
gctggccagc aaaggaatta tttccaacat tttcggtcac tgtatcacta gagaaacaaa 240
tggtgggggg tacatgtttc tgggtgatga ttatgtacca agatggggaa tgacatgggc 300
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tgggagctcg tatacatatc 439

<210> 7626
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a03b1

<400> 7626

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ggggcgctgc acttcgccgc gcgccgtggg aggatggcgg tgtgtgtgta cctgggccag 180
gagctcggcg tcgacgtcga cgccaccgac gagacaggct atacacctct gggtcatgca 240
attattgctg gcaactgtga cactttccag tatcttcttg atcacggtgc taatccagat 300
aaacccgatg gacaagggtc tacgcctctc catttggtg ctgcaggagg aaattgtgaa 360
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ccactgc 427

<210> 7627

<211> 455

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a04b1

<400> 7627

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aagtgttggtg gacagttcca ccttgccctc agcttctctg aggggtgttcg tgctcgcaac 180
atctgccctt ctgtgccatc ctatgagagg cgcttcacca caagctgcta catgactcag 240
aaccttgcca tcagtgtccc catgatgtca tcttctccat tgtttgccaa tgcaccacct 300
gagaagaaag gtgtcaagaa ctttgcaatt gacttcctca tgggaggagt gtccgctgca 360
gtttccaaga ctgctgcagc tcctattgag cgtgttaagc tgcttatcca gaaccaggat 420
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<210> 7628

<211> 345

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a06b1

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<400> 7628

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gccgctgctt ggagtgggga tgagagggga gcttgggctg ctcatgtcta tagtagtagt 120
aggtgtaggt ttgccgtttt agtgggtgtt ggcttgtgc cgtggattgg cgtcatgccg 180
tcggggagtt ggtcaccgga gcttgcaagc agcttctggt ggtcgccgtt ggagccttct 240
gctctgcctc catggtggag gcctaaggaa ggagccggat ctggcgaatc ccccataat 300
aagcttgttg ggccactgga tcaaacctgt gtggttattc tctcg 345

<210> 7629

<211> 371

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a07b1

<400> 7629

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caagggcgac gacgactcgc ggctgatgcg cgacctctgc acgctgctcg tcaccatcat 180
cgcccccgtc gcggcggcgt cctcgacgaa ctgcgcccg aggcccgagg cgcggcgcc 240
gcggggcggc atgtcgccgg cgggcgcggc gtcgatgctt ctgggcgcgt cgatggcgt 300
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<210> 7630

<211> 431

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a08b1

<400> 7630

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attcgttccc ttacaggag ctggagaacg gcgtgctctg ggaagtcgat ggccattggg 180

tcgttcaagg agcagttgat gtggacattg gagccaatcc ctctgctgag ggtggtggtg 240
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 ttcaggagca acctgctttt gacaagaagc agtttatctc tcacatgaag cgctacatca 360
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<210> 7631
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 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189024a09b1
 <400> 7631

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 gcagctggta atggggagga caggctaagc gagttgcca atgacgtgct gctcaacatc 180
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 aagctgcccg ctatgctctc acagatcgta attgatctca gctctcaaga tttgattcaa 300
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 acac 484

<210> 7632
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 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189024a10b1
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 atgtcagacg acgaagcact agagaactca ttgctatctg gatttactga gaattgtgag 420
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<210> 7633
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 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189024a11b1
 <400> 7633

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 cattccatag catcctcata gccgcctgca agcagatctg agcagctata ataactccct 180
 gatecgatcc gctctcggtc cttgcgctga tttgcgatga ccggagggga ttccatggat 240
 gcaatcagcc tgtatgactg ggagctcctg cctgacctcg ggagctcctt cttcctggag 300
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<210> 7634
 <211> 407
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 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189024a12b1
 <400> 7634

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cgcgacacg cggctccggc tgttccagat ggacctctc gaccccgct cegtccggcc 300
 ggcggtcgag ggcgtccacg ggcgtctcca cctggcctcc cccgtgatac tgcagcccg 360
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<210> 7635
 <211> 377
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189024b01b1
 <400> 7635

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 tggccaaggg caccgggtg acctaccacg cgtacgccat gggacggatg gagtccgtgt 180
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 cggagagccc gtaccggtac ccggtgttcc agggcggcgt gcgcgtctgc attggcaagg 300
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 agacggtcgg gcggagc 377

<210> 7636
 <211> 351
 <212> DNA
 <213> Triticum aestivum
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 <400> 7636

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 agcagctagt ggggctgaac aactgggca tctcaatggc gcgcatcgac ttcgggtcca 180
 acggcgggca gaaccgccc caccacacc cccgcggcac cgagatcctc accgtgatca 240
 tggggcagct gctggtgggg ttcgtcacct ccaaccagca ggacgggaag aacctgctct 300
 tcacgaagca gctagtggag ggcgacgtgt tcgtgttccc acaggggctc a 351

<210> 7637

<211> 452
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b03b1

<400> 7637

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ggtggtctcc gttctcgagc tccaggccgg cgttgtggaa gaccagctgc agcctctcgg   180
cggatggcat gccgtcgagg caacctccat gttggaaaat tgcaagacaa acagtactgc   240
tacagatgga ggcaccagca gcaggataga tatccccggt cctgcaaccg aacagaacat   300
ccctaaaccc agtaatcctc ttcattccatg cccgccgcca cagtcgctgc cggaggggtgt   360
gcagtccgtg ctcaacacgt cacgggttaa ccgaaagtgc attggagatg gtgatggctt   420
cactgcttat gaggagagga ttggaggtga ta                                     452

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<210> 7638
 <211> 403
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b04b1

<400> 7638

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tcttcagtcg tcctcttccc tgctggagat ccgtacccta ggtaagcctc ggtttcgctg   180
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tcgtgccttt agctgtacgc gtatgttgcc cgagtagatg cgaaccgct tgctgttgcc   300
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<210> 7639
 <211> 453
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b05b1

<400> 7639

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gatgagatgg tggcactggg tgtggagaag gtcggacagt ttccgcgaca ggcaatgggtg 420
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<210> 7640

<211> 418

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b06b1

<400> 7640

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gcagcagcag cacgggtacg gcggccacgt gcagcagcac ggggtacggca gccatgggca 240
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cccccggtac ggcggtacc cggcgcaagg ctacgcgccg gcggcggtacc ccgcgcagcc 360
cgcgccacac cacgggtggc acatgggatc gtaccacacc gggcacggcg gcgggcac 418

<210> 7641

<211> 445

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b07b1

<400> 7641

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 gaggccgccg ccgccgccgg gggggagggg aggctgatga tccggcaggt gtgggcgaac 180
 aacgtggagt cggagttcca ggcgatccgg cagggtggcg agcggttccc gtacgtgtcc 240
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 ccgtcggagc ggtacgcggc gctcatggcg aacgtggacg cgctccacct gatccaggtg 360
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<210> 7642
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 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b08b1

<400> 7642

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 gcaaggatcat gacggagcaa gaagcccggc aaatattagg aatcggtgaa aagacgagct 300
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<210> 7643
 <211> 102
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b09b1

<400> 7643

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<210> 7644

<211> 432
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189024b10b1

 <400> 7644

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 cgtctcgcg gtcagcctcg acctcgacaa gctcgcgtcc aagggtgcgg cgctggagac 360
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<210> 7645
 <211> 395
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189024b11b1

 <400> 7645

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 attttgtgat cacttctaag ttctaacgtt gtcatgcctc taggatgggc gggtcggcga 360
 agggcccgtg gagccatccc ttggcgatgt ggccg 395

<210> 7646
 <211> 418
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b12b1

<400> 7646

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ccagaaatat tggatagatc ccagatagat gaaattgtaa cagtaactac tcaagaagct 180
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gtgacaatgt tttccagtgg tgcagagagg tatctgaact cggagctctt tgcgcaggtt 360
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<210> 7647

<211> 348

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024c03b1

<400> 7647

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<210> 7648

<211> 398

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024c04b1

<400> 7648

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agacgaggaa gcacaagcca gggcagtcca agaagcagct gaaaaggaag ccgctcttgc 420
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<210> 7651
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024c08b1

<400> 7651

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gggtgagcac gtgacggg 378

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<211> 501
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024c09b1

<400> 7652

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 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189024c10b1

<400> 7653

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<210> 7654
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<223> Clone ID: uC-tsrow189024c12b1

<400> 7654

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<210> 7655
 <211> 452
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189024d01b1
 <400> 7655

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 aagaagaata atgttgccct tgacgttggt gattttgggtg aaactgatga tgaaaagccc 240
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<210> 7656
 <211> 501
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189024d05b1
 <400> 7656

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 gtttggtgc aggaaccctg aggagatccc atgggctgct gctggtgctg agtacgttgt 360
 tgagtccacc ggtgttttca ccgacaagga caaggctgca gtcacatta aggggtggtgc 420

caagaaggtc atcatttctg ctcccagcaa ggatgctccc atgtttgtct gtggtgtcaa 480
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<210> 7657
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024d06b1

<400> 7657

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tgctctctta cctgagtgat gatggcctat gtgccgccgg aggtgccgct tctcgtaaaa 360
tcatcaggga gaagttcaaa aacttcaacc tgtcctttga agatgtttat cgagttcaga 420
cggcattggtc tgtccctgat gaccaactcc gcgaagatgt caggat 466

<210> 7658
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024d07b1

<400> 7658

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cgctcctcgc cgcgcgggat catctagcta ccttttctcg gctcgtaggc gtcattggcg 180
agcgggacaa gaaggtggag gagccgacgg aggtgcacct gcacgccgcg gagatcacgc 240
tctgcgcaa cagctgcggc ttcccgggca acccgccac caagaacctc tgccagaact 300
gcttcctggc gtcctccttc tcgccgtcgc cctccgccgc ctccgccgcg tccccttct 360
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tgctgcaggc ggcgccgctc tacat

445

<210> 7659

<211> 311

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024d08b1

<400> 7659

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catctgccgg tcacgcccgg cctgcgagga gatcaggcca ccgtgcggtg catagctcgc 120

cgctccttgc cgcgcgggat catctagcta ccttttatcg gctcgtaggc gtcattggcg 180

atcggcacia gaaggtggag gagccgacgg aggtgcactt gcacgcccgg gagatcacgc 240

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gataactggc g 311

<210> 7660

<211> 463

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024d09b1

<400> 7660

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gtcgtggcga tggatcgggt ccgcggtccc gcgctgctgc tcggcgctct gctcgcagga 120

tcgctgtttg cactttgtgc cgcaaaggag gaggccaaga agctcggtag ggtgatcggg 180

atcgatctcg gcaccaccta ctcatgtgtc ggtgtgtaca agaacgggtca tgctgagatt 240

atcgccaatg accagggtaa ccgtatcacg cctcatggg ttgggttcac cgatggcgag 300

aggctcatcg gtgaggctgc aaagaaccag gcagctgtca accctgagag gaccgtcttt 360

gacgtcaagc gtctcattgg aagaaagttt gaggacaagg aggtgcagag ggacatgaaa 420

cttgtcccct acaagattgt caacacggag gggaagcctt aca 463

<210> 7661

<211> 489

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024d10b1

<400> 7661

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ttccctaacc ctaccaaac ctgcacctcc cggcggcggc ggcggcggcg gcgagcagca  120
gtcagcggca agatgaggcc tattctcatg aaggggcacg agcgcccgct cacgttcctg  180
aagtacaacc gggacggcga cctgctgttc tcatgcgcca aggaccacac cccaccgtc  240
tggtacgccg acaacggcga ccgcctcggc acctaccgcg gccacaacgg cgcggtatgg  300
tcttgcgatg tctcccgcca ctccgcgctg ctcatcacgg ggagcgccga ccagactgcc  360
aagctctggg acgtcaagac ggggaaggag ctcttcacct tcaggttcga cgcccccgcg  420
cgctccgtcg acttagccat cggcgaccac ctggcgggtca tcaccaccga cagtttcatg  480
gggaatatg                                     489
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<210> 7662

<211> 445

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024d11b1

<400> 7662

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atgtcgtgga gaggatctgg gagtcggtct tccccttccg cggcaacttc acagagaaga  180
ctttcgacaa acccgacctg tatgggcat tctggacatg caccacctg atttttgttg  240
ctgcttccat tgccacgttt gtcacctacc tttcccacaa atggcacaag aaagagtgga  300
cctatgatat taatctgggt acatgggtctg ctggcttatt ctatggctat gtgacatttg  360
ttccccttgg gttatatgtc attcttaagt acttctcagc acctgctgga ctcgtgcaat  420
tgtggtgcct atatgggtac tctttt                                     445
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<210> 7663

<211> 382

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024d12b1

<400> 7663

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gtccggtgcg aggagatgtg catctccggc gggctggtcc gtcagaagat gaagtacctc  180
cgcttcctcc gcaagcggat gaacaccaag ccctcgcacg gcccaccca cttccgcgcc  240
ccctcgcgca ttttctggcg caccgtgcgc ggcgatgatcc cgcacaagac gcccgcggc  300
gaggctgcgc tcgccaggct caaggcggtc gagggcggtc cggcgcctta cgatcgacc  360
aagcgtatgg tcattcccga cg                                     382
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<210> 7664

<211> 459

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e02b1

<400> 7664

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ccatggcagc gccccctcc tccgtctccg tcagggccgg cgcgtccgtc tcggcgaagc  120
tgacccttc gcgggccgcc aggggtgggt tcggtggcag ggtcagcgtc ggctcgggca  180
ggaagtgcgg cggccccgtg cgggcgtcgc tcttctcgcc caagcccgcg gtggccatgg  240
acgcgaggcc gaccaagggtg caggagctgc acgtctacga gctcaacgag cacgaccgcg  300
agagccccgc ctacctccgg ctgagcgcca agcagagcca gaacgcgctc ggcgacctcg  360
tccccttcac caacaagggtc agtcagtcca gcaagtgatg aatctttctt gtccttcct  420
ctgttcggtt cctcttctc tgctagcttt gttgagtgg                                     459
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<210> 7665

<211> 468

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e03b1

<400> 7665

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ttggcatgat agtggttaac actaggagat ctcttggtt atatatagca gggctcttga 120
tttttaaaat ttgaagtaga tgtcattccg tagcattgtg cgcgatgtaa gggatagctt 180
tgggagctta tctcgaagag gatttgacat caggattctg ggcaatggca gaggagatc 240
tcatggtgct gtccatgagt tacatgaccc cgttcctgta atccagagca gctgttgggc 300
taacttgctt tccgaattgc ttcgagatgt gattgagagg ttggaggcta gtgaggctac 360
atggccctgt aggaagaatg ttgttgcttg cgcagctgtc tgcagaacat ggagagagat 420
gtgtaaagag attgtaaaaa atccggagtt ttgtggaaag atcacttt 468

<210> 7666

<211> 490

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e04b1

<400> 7666

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ggattttttc cgtctgctag ccatctgcca tacatgcata cctgaagtag atgaaactga 180
taaagtttca tacgaagctg agtcccctga tgaagctgca tttgttatcg cagcaagaga 240
attagggttt gagttttaca agaggacaca gacaagtata tttattcgtg aacgcgatcc 300
tagccagaat gttgcagatt atcagtatag aaaatatgag ctcttaaag tcttgggaatt 360
cagtagctca cgaagacgga tgtctgtaat agtgaaggaa ccagagccag aggggaggat 420
attactgttt agcaagggcg ctgatagtgt gatgttcaca aggcttgac cagatggaag 480
aaaatttgag 490

<210> 7667

<211> 499

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e06b1

<400> 7667

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cggctgcggg gcgtcgctgt cgccgtcgat gacgcggttc gggatcgccg cgcgcttcaa 180
cgccacctcg tcggccgtgt cggaggccgc cgccgcgtcg ggcgccgtcc acgcggtgcc 240
gcggaccgag cctgtcgctgt ccgccgagtg gctccacgcc aacctcaggg accccgatgt 300
gaaggtactt gatgcctctt ggtatatgcc tgcagaacaa aggaatccac ttcaggagta 360
ccaggtgggt catatccctg gtgccttatt ctttgatgtc gatggaatat ctgacagagc 420
atctaactcg ccacacatgc tgccatctga aaaagcattt tctgccgctg tgtcttcctt 480
tggcatctac aacaaagat 499

<210> 7668

<211> 425

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e08b1

<400> 7668

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ggcaagcccg agccggcgcc accggtggcc gcaaacaagg ccgcggtgga ggctgcgcgc 120
atgaccgcgt cgtttctggt gaagaagctc tcggcctcgt tctcccctgg ttcggacaac 180
cgcggtggtgc acgagatccg tctgctcgcc aagtccggct ccgagagccg cgcgttcac 240
ggagaggccg gcgccgtgcc gctcctcgtg ccgctgctca actccgagga cgccgcgctg 300
cagctcaacg ccgtgacggc gctgctcaac ctctccattc tcgatgccaa caagaagcgc 360
atcatgcaca ccgacggcgc ggtggcgggc ctctgcgaag tgatgggctc cggcgcgaca 420
tggcg 425

<210> 7669

<211> 406

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e09b1

<400> 7669

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agagagagggc ttctcctacc cccagtctcc aaagggtcccc tccattgtca gcgagaggta 180
caggactgcc taccacttcc agcctccaag gaactggatg aacgatccat gtggaccaat 240
gtactacaat ggcgtctacc atgaattcta ccagtataac cccgatggcg cctttgacct 300
caatgactcc cttatgaaca tggtttgggg ccattcggtt tcaacagacc tcatcaactg 360
gatcgggtctt gaaccggcaa tcaaaccaga tatcccaagt gacata 406

<210> 7670

<211> 427

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e10b1

<400> 7670

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tggcctcggc ggacgcggcg gggcagaggc cctgccgac gccgttcctg accaagacgt 180
accagctcgt ggaggaccg gcggtggacg acgtgatctc gtggggcgag gacgggtcga 240
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acaacaactt ctctagcttc gtgcggcagc tcaacaccta cggatttagg aagatcgtgc 360
cggaccggtg ggagttcgcc aacgactgct tccggcgagg cgagaagcgc ctgctctgcg 420
acataca 427

<210> 7671

<211> 180

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e11b1

<400> 7671

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tgagcgatcc tagcatgggg aaggggcagg gtgaggcctc gcgcacctgc cggcggtcgg 120
caggtcgact tgttgcgcca ccgcgtcgtc atctcctctg caccatgaga ggcgccacct 180

<210> 7672
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e12b1

<400> 7672

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tgttatgctt gagaggaaga aggaatatgc aactatcttg gcgtttgatg tcaaagtgat 120
gcctgatgcc cgtgatcttg cagaagagtc tggcgtgaag atcttcgtgg cagatataat 180
ataccacctt ttttgaccaa ttacagcat acattaagaa catatgggaa gagaagaaga 240
aggacagtgc cgaagaagct gttttcccct gtgttcttaa gatcatgccg aactgtgtct 300
tcaacaagaa ggatccaatt gttttgggtg tcgatatcct tgaagggata gccaaagggtg 360
gaacgcctct gtgcataccc tcgaaagaat ttatcgatat tgggaagatt gcctccattg 420
aaattaatca caagcaagtc 440

<210> 7673
<211> 505
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f01b1

<400> 7673

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cttaaagctc gaagaagact tgttgcgaag actggctgca aagctatgat ggtggtgaag 120
tataacgcaa gtgagaatca ttgggaagta gtgtttgttg agctggagca taaccacca 180
tgtaatcctg aaatggtcag attcatgatg tgttttaagg atctccctga ctggcagagg 240
gagcaccgac cattcaatgc gaaaactaga ttgaaccaa agattcattc tggtagaggc 300
aggccacca accaaaacaa agatttcatg gtgaggctct tcgctcagtc taattattca 360
attgaagcag ctgccaagtg tgggaagctg agatttgcag agggtgacgt tgaggcatta 420

ttagtctttt tcgataagat gcaagctcaa aattccaact tcttctacaa ctgggacatg 480
 gatgatgaag gccggcttaa aaatg 505

<210> 7674
 <211> 469
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f02b1

<400> 7674

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 caaggacccc aacgcccact tcttctctgc cgtcaatctc caggtccccg gccggccgga 120
 cgcttacagc tcggtcttct acttcgcggc ggaggcgccc atcccgccgg actccctgct 180
 cgggcgcctt gtctacggcg acgacgccta ccgcaacgcc cgcttcaaga tcgtcaaccg 240
 catcgtcaag ggcccctggc tcgtccgcgc caccgtcggc aactacgggg cgtgcctcct 300
 gggccgcgcg ctcacgtgcc gctaccacag gggcgacgac tacctcgaga tcgacgtgga 360
 catcggcagc tcggcgatcg ccaactgccat cctgcactcg gcgctggggc cggtcacctc 420
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<210> 7675
 <211> 388
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsrow189024f03b1

<400> 7675

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 ccaagttgct tcagcacacc accaccatat acttgcattc tgccatcgtc gagtttgccg 120
 aggcgcttgc ctccaagatg ccaggcaatc tcaaggttgt gtacttcgtc aattctggga 180
 ccgaagcgaa tgaactagca atgttgatgg ctcggtctga cagcgggaat ctcggtatga 240
 ttgcattgag aaatggatac cacggtggga gtgctggaac aatagggtctc acgggtttgc 300
 agacgtggaa gtacccgatt cctcagggtg agattcatca tgtcatgaat ccngatcctt 360
 accgtggagc ttttgggtct gatgctgc 388

<210> 7676
 <211> 444
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f05b1

<400> 7676

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tgctgctcac gcggttcgcg tgcggctcgc tggccgctcgg gttcgcggcc aaccatgccg   60
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tggacatctc cggcccgtcg ccgacgccac cgccgcacag ccaccccgat ctcttcccgc  180
cgcgcgaccc gccagtcgtc aacttcgagc accgcggcgt cgagtactac cggccgtcgc  240
ccagcaaccc caagcagggc gagggcggac accacggcgc cgaaaacgtg gtcattccaca  300
aggcgcaactt caccaaggac ttcattcgccg ggctgcgcgc caaggcttcg gaggggcgcg  360
ggaggccgtt cagccggttc gagaccacgc tcgcgcacct gtggcgcacc atgacgcgcg  420
cgcgcgacct gagccccgaa gaga                                     444
  
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<210> 7677
 <211> 454
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f06b1

<400> 7677

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gcggcgacga ctccccggc tcgccccacc gccccgccga ccgcaaggcg tggatggcgg  180
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ccaccaaaaa gatcggcatc cctttcatca cccgcccctt cgcgacgtgc cagtcgctct  300
ccgtctacca ccagctcgcc ctcggtgcc gcctcctcga cgtcgcgctg caggaggagc  360
gccgcgtctg ccacggcgctg ctgccacct actccgtcga cgtcgtgctc gacgacgtcc  420
tgcgttctct gtccgagacg gattcggagg tcct                                     454
  
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<210> 7678
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f07b1

<400> 7678

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agatcgagcg ccaggcaggg tcgggcgccg ctctccagg cggcacggtc gcggcagacc 180
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agacatcaac atcaggggtc tctccctccc gtccgcgtca aggccggagg ggactgccag 360
cgggtggactg caagcgagcg agcgt 385

<210> 7679
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f08b1

<400> 7679

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atatttcgtc cgccccgacg accgacgaac ggagagaaa agtgagggtga tcatgagcac 120
catggcgatg tcggcgctga acccggacgc gcccatgttc atccccggcg cgttcaagaa 180
ggtggaggac tactcgcccc agtggtggga gctggtcaag accaccgctt ggttccgcga 240
ccactggttc cgccagcacc agctctacga ggacctcgcc gacgacgtcg acgtggacga 300
cgtcgccgcc ctctccccg acgactcgtt cgacctgtc gacgccgacg acctcttcta 360
ctccccgccg tcgccccagc cccagcccga cttctaccac taaaaaccag cagggttcgg 420
cggcgacatg ga 432

<210> 7680
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f09b1

<400> 7680

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ttgtggacgg ttgcaatcag atgagatacc aattggtagc aaagatggca gtgcagttac 180
tgttgcggcg gagaacattg tttttcacga tgcagcagtt tctgaaaaag taacactggg 240
ttcatttgct ggagactacg accaagatga tgacaatgcg gcagctttag gtgaatacct 300
taagcgacca gtgcgcttgg cgagttatgc gtgggctcaa ggaggagggtt ttgcacagag 360
catcaccctc tgggc 375

<210> 7681

<211> 451

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f10b1

<400> 7681

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ctccgttttc cttgatcatg tcttgcccg cgttgctgaa aaccctctcg ccggagggca 120
tgactttgag gcaacctcca tgttgaaaaa tcgcaggata aacaatactg atgcatacgg 180
aggaggcatc agcagcagga gcaggacaga tgatagtctt cgtccatcac ggccggggcg 240
gcggccggtg ccggaggggt tgcagttcgt gctcaacact ttaccgggtg acccaagctg 300
cattggggat ggtgatggct tcaactgctca tgtgaaggag atggcaggtg atacaaacaa 360
ccgagatcca aagcaatacc gaataagaat gagagggatt gatgcaccgg agctgaacat 420
ggaatatggg aagaagtcaa agaaagggtt g 451

<210> 7682

<211> 479

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f11b1

<400> 7682

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 ccgctgctct ctgctggctg tccactgacg cctcgcccc accgcctctt cccgcccccc 180
 ctctggagcc cgcggtcgac cctcccaaga aggatggagc ctccttctcc gccggttccg 240
 gcgctggagg ggcctaccgg actggaaagg gagctgcac ggggggtcgc cgatctggtg 300
 gcgcggggta cgaggaggag cagcagaagg tcctccgcgc gtcgcttctc cacgtgccga 360
 ggatgggatg gagcgagtcg gccatgatcg cgggtgcgag ggacgtgtcc gtgtcgccgg 420
 ccatcgctcg tgcttccca aggaaggagg ctgcgctagt tgagtttttc atggatgac 479

<210> 7683
 <211> 379
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f12b1

<400> 7683

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<210> 7684
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 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189024g01b1

<400> 7684

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ttgcgagaaa attgtgtccc tgctattttt attcggaga tatttaccca gattgtctca 300
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<210> 7685
<211> 435
<212> DNA
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<223> Clone ID: uC-tsrow189024g02b1

<400> 7685

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agaacgagcg gctggtgagg gcgctgcagt gctacctgtc caccacggcg ggtcccatcg 180
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aggtgcggcg cgccgtgccc accgagaaca agcacaagcc ggagcagcg tacatcgagg 360
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tgcagcacct ggagc 435

<210> 7686
<211> 332
<212> DNA
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<223> Clone ID: uC-tsrow189024g03b1

<400> 7686

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<223> Clone ID: uC-tsrow189024g04b1

<400> 7687

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atatatacgc gccctcccaa tctctttctc cgagcgcgaa atctgacaga gcagtgtcag 180
accgttggtg agcaggaagc ggaaggacag ttcaatccgc aatggaatcc ctagccgccg 240
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gcagatcgag ggcggtggcg gcactaggga ggaggaggag cagcagcggc ctgaggtgct 360
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<210> 7688
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024g05b1

<400> 7688

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gctgctcacc gtcattgtca cctacaaggc cgccgaggtc atgccgctcg ccgtcaagct 300
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<212> DNA
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<223> Clone ID: uC-tsrow189024g06b1

<400> 7689

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<223> Clone ID: uC-tsrow189024g07b1

<400> 7690

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<211> 374
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<223> Clone ID: uC-tsrowl89024g08b1

<400> 7691

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atgctgttga acaactcgat ggcacctcca atgggaccaa gacccaacgg tcactttcag 360
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<210> 7692

<211> 383

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrowl89024g09b1

<400> 7692

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tgggcatacg caggatgatc catggaccac ctaccatctt ggtgaagatg gttgaaacga 300
attgatcatc tgcaggctct gtccacatca ttgagtgcc ctgatcagtt ctgatcacct 360
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<210> 7693

<211> 420

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrowl89024g10b1

<400> 7693

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tcgctgccct cggtcaccac ccatggagcc gacgcacagc tggaaggtgg ccgagccgcg 240
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gacgacggtg ccattcagac tgagaagaaa aagcgccatg ccgaggcgcc gcccaagcac 360
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<210> 7694
<211> 222
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024g12b1

<400> 7694

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atcgcgttgg tgttgccgcg caggtcggcg cagaattctt ccatggacgc ggtgatcttc 180
tccaggtagt ccttgatgga cggatccatc gttcaagtt gg 222

<210> 7695
<211> 410
<212> DNA
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<223> Clone ID: uC-tsrow189024h01b1

<400> 7695

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aaaccacagg attgggaaaa ttgtgccttt gttcacagag ttgaaagatg atgcactgga 180
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aagccaatga agttgttgcc taactggaag ctgcaaaaca tttcttgcaa agttgatcac 300
aatacttaat caaatgacat tgagatccag aaatgtgagt tcgaaggatg aatcacaatg 360
tatatgttac tgattattag tgatgatgca ttcagaaaat gtacataaac 410

<210> 7696
 <211> 453
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189024h02b1

 <400> 7696

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 agagacttag ggagcagcag aggatccgta aagaaataga ggaaaaagag gcgagggaag 180
 cagcaaaaat gatagaagat ttaacaggaa gggggaagaa taagaaaaaa attcacattg 240
 agggggatat gacaaaacaa cacgccatgg aggtggtggt gaatcaacag gtgaaggagc 300
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 caaacggca ggaggaagca ccactaatcg aggaggcctt ccagaaacgc ctcgaagaag 420
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<210> 7697
 <211> 437
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189024h03b1

 <400> 7697

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 gatttggtatt tggtagcag cttctaaagg ggatgggtac ggtcggcgct tggaggcgag 240
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 ccgccgccgg cggcggcggc ggccagcacg aggctccgaa caccgtgggc acacgggccg 360
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<210> 7698
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h04b1

<400> 7698

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caagaacgcc atcgagctgg gcctcctgga gaccctgggtg gccgccggcg gcaagctgct 240
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<210> 7699
<211> 452
<212> DNA
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<223> Clone ID: uC-tsrow189024h05b1

<400> 7699

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gcggagggga agctggcgct gggagacatg aggggtgctca agccattggc ccacctgctg 180
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accggcctcc accaaacggt tggaggcatt ttcagggtg tgggattcac tctgatgggg 360
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atcccttaca gtgtgcttgc tctgagcagc ac 452

<210> 7700
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h06b1

<400> 7700

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agggctggct aatacaccac gtgcaaatac cctgtaccaa taactgagca tgtatgctta 180
cactgtgtat gtattttctac cttctgtgaa ttttttgtga ataccgtttg cccctaaaaa 240
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<210> 7701

<211> 393

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h07b1

<400> 7701

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gcttactacg gcgtgtcgac gaacctggtg aacttcctca aggtccagct gcactccggc 360
agtaaggccg cggcgaacag cgtcaccaac tgg 393

<210> 7702

<211> 347

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h08b1

<400> 7702

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tcacctgcgt acgcactcag tgaaattgac gaagcagctg caggagctga aactcagaag 300
gctgggtattg taaaccaaca gaagttagag aagaaatttg gccagtc 347

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<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h09b1

<400> 7703

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<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h10b1

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<210> 7705
 <211> 383
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h11b1

<400> 7705

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 <211> 421
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<223> Clone ID: uC-tsrow189024h12b1

<400> 7706

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<212> DNA
 <213> *Triticum aestivum*

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 <223> Clone ID: uC-tsrow189025a04b1

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<210> 7709
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 <223> Clone ID: uC-tsrow189025a05b1

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 <212> DNA
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<223> Clone ID: uC-tsrow189025a06b1

<400> 7710

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 tactaatatc cttattaatc aattaattct ttaatcttta attctctttt ctcaaaaaat 180
 aaataaataa ataaaaatgt ctcttacacc acctacttct tttgagacct tacctccacc 240
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<210> 7711
 <211> 351
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189025a07b1

<400> 7711

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351

<210> 7712
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025a08b1

<400> 7712

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atgaaataac tcagctaaga ggctactagc aaaatcttaa gactacagag acttggtgca 180
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<210> 7713
<211> 370
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189025a09b1

<400> 7713

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gtctgacgct ttaccgtaag ccttcttcat gttttctgtt ttatttttga ttcagtaggc 120
atattgtttt tctaccaatt attaagcaat ttggtgggcg tgataaaaaa acccgagggg 180
tactgatttc tctccgcaat ttattttctt gagaatcccg cgccattgca aggcatttc 240
tccgcaaaca caagcccggg cttctaggag caggcagcct cgaggagtcg gcgatggtgg 300
atgtatgggt ncgacntgg atgccacca gctggagccc gtactcaagc ccatcggtg 360
gaactgcatc 370

<210> 7714
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025a10b1

<400> 7714

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cgtgggcccc acgactgcct cctcggcacg ctagcctgcg cctgctcccg ccaaggagca 180
gcagcaacaa cagcggcggc ggcggagggg acaagcccac cacctcgtgg gtcagccccg 240
actggctcac gtcgctgtcc cgctcgggtc tcggccgggg gaacgacgac tcggggatcc 300
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<210> 7715

<211> 314

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025a11b1

<400> 7715

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atcccgcggc ccgcctgcgc ttctggcggc gtcgggagcg ctgggcccgc gccgctgctc 180
aggggctggc gggagttcag gcggagcggc gcgccggtca ggttcctctg cttcagggcg 240
ggcgcgtggg ctgatgtcga gggcgaggcg gctgtgcctc tcgccggggc gttcctggac 300
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<210> 7716

<211> 387

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025b01b1

<400> 7716

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ggcgaggaga tcatgagcgc cgccgtcgcc gagcacggca agggcgccgt gctcgccgcg 180

ctcaacgaga	tccaggaccg	ccacgacgcc	gccagggagg	tggagcgcag	cctcctcgag	240
ctccaccagg	tgttccttga	catggccgtc	gtcgtacagt	cgcaggggga	caagcttcag	300
aacatcgagc	accacgtgag	caacgccagg	gactacgtcc	actccggcaa	caaggagctc	360
ggcaaggtec	gcgagcacca	gcgcgggc				387

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<210>      7717
<211>      196
<212>      DNA
<213>      Triticum aestivum

<223>      Clone ID: uC-tsrow189025b02b1

<400>      7717
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ctgggatagc tctgctagtt cgtcgacttt ggaaatggcc accaactcga ggtcgaactc 120
cagggccacc ttctccagcg agatccacga catcggcacg gtgcagaact ccaccacgcc 180
cagcatggtg tactac 196
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<210>      7718
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<212>      DNA
<213>      Triticum aestivum

<223>      Clone ID: uC-tsrow189025b04b1

<400>      7718
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gagccgatgt	caatgcttca	gaaaatggca	gagttgatgg	aatattgtga	cctgcttagac	120
aaagcagatg	aatgtgagga	tccacacatg	cggatgggtat	atgcttctac	atgg	174

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<210>      7719
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<212>      DNA
<213>      Triticum aestivum

<223>      Clone ID: uC-tsrow189025b05b1

<400>      7719
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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 aaaaaaaagg ggggc 195

<210> 7720
 <211> 348
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189025b06b1
 <400> 7720

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 catcagctgg tcaagatgac agctggttta cagctcggcg tgatcgggtc tctcgcgctc 180
 tccgttgcac cttcagttgc cattgtcatc tgcaacaaag ctctcatcag cacacttggc 240
 ttcccatttg ctacaacatt aacaagctgg catctcatgg tgacctactg caccctccat 300
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<210> 7721
 <211> 401
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189025b07b1
 <400> 7721

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 gacgactaat acaacacctg ctcacgtcgt gactacatct tactgctcga tagtagcaca 180
 cttggacaga agctgtgatg gcttaacatg atacaatcgt tgttttatctt ttgggcaact 240
 atacatcgtt gttgagctga aatatagatg gctgtgcttt gccaaatgaa ctttatccca 300
 tatagcaaag ccatccattt ttacatgcac ttggattctt gtaaccagta aacttgatct 360
 tggatcctgt gatgcagtgt actggtctac tacttaaaac t 401

<210> 7722

<211> 393
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189025b09b1

 <400> 7722

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 cggcgcggtta cctcgttcct gccggcgcac cgccggcggc ttccaccccc ccatacacct 180
 ccgtcgccag agcctgcccg ctccccgcc acccctcatc ctgaggactt cctgctagcc 240
 cccgccggca agaaagcccg aggaccacca gcttttcacg aggaggccac tgtctccgca 300
 tcttccactg tttcgctact gctaccgct gtctgtcatc tgcgtcagcg gctgcagatc 360
 cgccccggca tcatgtcttc agaggagctc aca 393

<210> 7723
 <211> 298
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189025b10b1

 <400> 7723

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 gctcttcgg tcggcctccc ggcgcgcgc ggctccccg tcgcgctcc cccgcgcggc 180
 cccgctccac cgcccgctcc cgcccggtta cctcttcaac cgccgcgcca actacgcctc 240
 cgccgcgcgc gccgcccagg ccccgccga gaagctgccc cccacctcg acaagtac 298

<210> 7724
 <211> 435
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189025b11b1

 <400> 7724

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 aggtgcttcg ggtgcttgat cttagaggga cttagaggac atcagatggt actgctagt 180
 taacagatga tgttctggag aagatcgtga agcagtttcg tcgcctcaag ttcattgtccc 240
 tgcgtggatg catggaagtc actcgtctcc ctgattcatt ggggtgccatg actcagctgg 300
 agactttgga tgccaggcac acctccatag tcgagctgcc acctgctatc atcaccaagc 360
 tacacaagct tcagtacatt cgtgctggca ccaccaaaagc aagacgacta caagcagcaa 420
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<210> 7725
 <211> 365
 <212> DNA
 <213> *Triticum aestivum*

<223> unsure at all n locations
 <223> Clone ID: uC-tsrow189025b12b1

<400> 7725

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 cgcacctagc gttgcttcca tggcatggac gaggatttgt ggagagttca acgatggttc 180
 caagctcctt tacttcgtct cgctattcct ctacgtgtct ttggtggtgc gcatcaacct 240
 ctttaggggc ttcaagttct cactggcatg gtgnngcgta cacattcccg atgacgagt 300
 tggccttggc gacggtgtta tatgcatctg aggtagacaa cgtgctgaca cgggcactag 360
 cggtc 365

<210> 7726
 <211> 356
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189025c01b1

<400> 7726

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 tgtgctgggc gagcaggagc agcacatggc cgtgaactac taccgcgggt gccctaagcc 180

ggacctcacc tacggcctgc ccaagcacac ggaccccaac gccctcacca ttctcctcat 240
 ggacccccac gtctccggcc tgcaggtcct caaggacggc gccagtgga tcgtccgttg 300
 acccccggcc caacgcctc gtcgtcaacc taggcgacca gttgcaggcg ctgagc 356

<210> 7727
 <211> 406
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c02b1

<400> 7727

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 aactgcaagg ttttggttgt tgccaacca gcaaacacca atgctctcat cctgaaggag 180
 tttgctccat ctatccctga gaagaacatc agttgtttga cccgcctaga ccacaacagg 240
 gcaactcggtc agattttctga gagacttggg gtccaagttt ctgacgtgaa gaatgctatt 300
 atctggggta atcaactcgtc cagtcagtac cctgatgtta accacgccac tgtgaagact 360
 tccagtggag agaagcctgt tcgtgaactt gttcaagatg atgaat 406

<210> 7728
 <211> 390
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c03b1

<400> 7728

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 cgcgcgcacg gtgaaggatg tcaaccccca cgagttcgtc aaggcctact ccgcgcacct 180
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 caaggagctg ccaccttctg atgctgactg gtactacatc agggctgcct cgatggcaag 300
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<210> 7729
 <211> 263
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c04b1

<400> 7729

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 ctccggggcgc tcgtcgccgg cgagctaccg ggccgtgagg tgctggggcg cgaggagggg 180
 gagggggcgg aggtcggcgg ggctgagggc gaggtgcgcg ggcgggccagc cctccgccgt 240
 gaagcccggc ccggagagcc ccg 263

<210> 7730
 <211> 298
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c05b1

<400> 7730

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 accctcctgc cgccggtgcc taccctccgc acggcggtta ccaggcgcac ggctacgcgc 180
 cggcggccta cccctctcac ggggcgcacc acggtcacat gggatcgtag cacaccgggc 240
 atggcggcgg gcaccaccac ggcggcaagc acggaggcaa gtaccatggc ggcaagca 298

<210> 7731
 <211> 235
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c06b1

<400> 7731

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gcttgtgagc ctgaaaggtg ccgaagtcct ctcgaagcta caggtactga atgctggcaa 180
aaataaattg acaagaatcg atgaggtcaa atctatgaca agcctgggag ccttg 235

<210> 7732
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c07b1

<400> 7732

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aatgcaagct tcgtctccag aggagattcc ccagcttcac ttatttctgg gagcaagaag 180
agtttgatat cataactcgt gaaacaagga tcagcctcca ctttcaagtt ggaaagaagc 240
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ccaaatcaag cggaaacgca aaggagtaca 390

<210> 7733
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c08b1

<400> 7733

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ggaagcagat cgtcatgttc ctggactacg acggcacgct gtcccccatc gtcgatgacc 180
ccgacgccgc cttcatgagc gagacgatgc ggatggccgt gcgcagcgtg gccaagcact 240
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ggagctctac tacgcc 316

<210> 7734
<211> 306

<212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189025c09b1

 <400> 7734

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<210> 7735
 <211> 404
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189025c10b1

 <400> 7735

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<210> 7736
 <211> 274
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189025c11b1

 <400> 7736

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gctgacgggc tacggcgtgt gcacgtgcgt gctgcacgcg ctcatgcgt ttgtgccgcc 180
tctgcgcacg tccgcggtgc tgaaccgcgc gttcatcgcc gaccgcact gtgcggtgac 240
cgtcacagcc cccggctgca ccccggtgt ggac 274

<210> 7737
<211> 182
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c12b1

<400> 7737

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ccgggtgggc cgccagggac gccaccggcc acctctcccc ctacagatac accctcagga 180
aa 182

<210> 7738
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d01b1

<400> 7738

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tggaccgcaa gcccatgcag gtgtgggtgg acttcgacgg ccggaccatg caggtcaacg 180
tcaccatggc gccctgcag gtggcccggc ccaagaggcc cctgctctcc gccaccgtca 240
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<210> 7739
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d03b1

<400> 7739

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ccccttcggt tgttattggt gatggccatg agtttgagga atatgaggag ccaccagtac 180
ttgggaggaa gacatatctt gtgactgacc aatcagggtga gaatcatcag tgggctcagt 240
gtgaggattg ttccaaatgg cggaaactgc caatagacgc ccttttacct tctaagtgga 300
cctgctccga caataaatgg gatcctgaaa ggatgaactt gtgtctctcc acaagaggca 360
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<210> 7740

<211> 295

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d04b1

<400> 7740

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agcctcatgt gcgcgctcgt tgggctatcc acggtggagg agttgaccgt ggtggacacg 180
ccgctcctgg cgcggttttg ttggtccggg cctggttaagg gggggaggat caggatcggt 240
tgtgctccca acctgcgggc gctcgggttac ctggacacaa gagttctcaa gctgc 295

<210> 7741

<211> 507

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d05b1

<400> 7741

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agagatactc accctggaca tttctacgac cagtgtactt tccaggggac tgttccatca 180
aagccatcta gcatctatca tagttttaaa cataaacgct ggctgcaagc atcttggtgc 240

cgagagggga ctccacacct ttacttctct ccaaaagctt cagctgtgcc actctgacat 300
atcagatcag aatttgga aa gtcttcttca ggtgctgccc tctttgtact cgtttgagat 360
gatagatctg cccaacatga catctctggt gccagcaaat aatagtttgt gtacaacagt 420
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<210> 7742
<211> 326
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189025d07b1
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tgcggtggcgg cgctggagga ggccggcgtc gactacgagc tcgtcccat caacttcggc 180
accggcgagc acaagagccc cgaccacctc gccaggaacc cttttggcca ggtgccagct 240
ttgcaggatg gtgacttgta cgtcttcgaa tcacgtgcta tttgcaagaa tgcgtgccgc 300
aagaacaagc cagagctggt gaagga 326

<210> 7743
<211> 302
<212> DNA
<213> Triticum aestivum
<223> unsure at all n locations
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<400> 7743

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aatcaggagg caattccaat tatttaatga ggtccaagat tgtgatatgg ggtgaaggta 180
ccactaacag ttgccaagat taatctcgtg tataggagct taggatcttc aatgggtctca 240
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<210> 7744
 <211> 261
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 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189025d09b1
 <400> 7744

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 ccagaccatc agcttcccc aaattcccca cgccgcgccg agccgccgat cgaaccgcag 120
 aatctcgagc gccgcccgcg atgccgaaga agatgggcgt caactccaag gcggaggcct 180
 gccgcgagcg ccgctccgcc gaggagtcgg accgtcgcca gcgcgccgag cgcgccaagg 240
 agggaggagt actggcgcca g 261

<210> 7745
 <211> 431
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189025d10b1
 <400> 7745

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 cacgcgccct gggcctgcca ccaccttgcc ggctgctgct ggtgctgatc ccgtggatgt 180
 ccggtgcgcg atccgtgccc atggacgcga gatggctgaa gacgaggagt ccgcttgcca 240
 ccaccgcaag cgcccggctt ccaaggctcc aatctgcctg cccgccactg ctgctgcgcc 300
 tgtgaagaag gtctctcgtc aggtcgcttc aaggcttgct ctttcgtcgg ctctacacca 360
 ctgcctgcca ctgctgctgc gccagtggtg caaccgaagc cgcagatcag catgcgcgaa 420
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<210> 7746
 <211> 299
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d11b1

<400> 7746

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gatctgaagg cttccgtcta cttcaaccag ggctgcctcc gatggctctg ctttcggcgg 180
cctttgtcgt cggagttgta ccggtttggc ggctggaggt gggaaggtgg ctccggagaa 240
atccgaggcc agcagtgtg gtcacgacgg cggcgacgcc cgagggcgcc gtacccttc 299

<210> 7747

<211> 366

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d12b1

<400> 7747

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ccgcatgggc ctcaacgtgg cccgcgaggc cttcgacgac acggcgggcg cggcgagca 180
catcgcgcg caccgcctcc gcgacacggc ggccatcgcg tcggcgcgcg cggcgagct 240
gtacggcctc caggtgctgg cggacggcgt gcaggacgac gccgggaacg tgacccggtt 300
cgtgatgctg gcgcgggagc ccatcatccc gcggacggac cggccgttca agacgagcat 360
cgtgct 366

<210> 7748

<211> 320

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025e01b1

<400> 7748

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ctttttgggt tcctcagatt tggaggatgt cttgcaactg tggatccggt tgcagctgcg 120
gctcagactg caagtgcggg aaggtgtacc ctgatctgac ggagcagggc agtgccgccg 180

cccagggtcgc cgccgtgggtc gtccctcggcg tggcgccctga gagcaaggca ggtcagttcg 240
 aggtggccgc cggccagtcc ggcgagggct gcagctgcgg cgacaactgc aagtgcaacc 300
 cctgcaactg ttaagctgca 320

<210> 7749
 <211> 386
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189025e03b1
 <400> 7749

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 aggccttaaa aagcttgatg gctaccttct gtctcgcagt tacatctctg gataccaagc 180
 ttccaaggat gacttggctg tgtattcaga gttctcagtt gctccaccat caacttgcac 240
 caatgttgca aggtggtaca atcacattga tgcactcctg aagctgagtg gagttactgc 300
 ccctggcaag gtgggaaggt tctgtcataa gttgtccctg aaacctcaac tactgatggt 360
 gctgaggctc ctgcagctga tgatga 386

<210> 7750
 <211> 447
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189025e04b1
 <400> 7750

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 tctttcttca ggtaagtgat accctgacaa cagtttgata ctattgttgt atttgattcc 180
 ttctgcttca gttacaggct ataactatcc tgcaagatgg tgggacgaat cagaagtcca 240
 ccaaccgctt gcacgtgtca tgcgtgtttg tcggaacaga tctgcagcta cccctatcct 300
 ctccatatca gagaaagatg gatcggtcgt atgtacacca agctggatca acagagctta 360
 ctacgttgca ttaaccaata cctttgtggt cgtcaactga aatggattat ttttttcaag 420

447

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agccccagat	ccatccggcg	atctctgtcg	cgcccatcgc	caggataggc	cccagaaaac	120
ccagcccagt	ggaaggggtg	tgcgagtagg	agaaggccag	cagataggat	gttcctgtgg	180
gactggttct	acgggggtgct	ggcctccctt	ggcctgtggc	agaaggaggc	caagatcctc	240
ttcctcggcc	tcgacaacgc	cggcaagacc	actctcctcc	acatgctcaa	ggacgagcgg	300
ctggtgcagc	accagccgac	gcagcacccc	acgtccgagg	agctcagcat	cggcaagatc	360
aagttcaaag	ccttcgacct	cggcggccac	cagatcgctc	gacgggtctg	gaaggactac	420
tacgcaaagg	ttgatgctgt	agtatacttg	gtagatgcat	atgacaagga	gcggtttact	480
gaatcgaaaa	aggagctgga	tgctctcctt	tctgatgatt			520

<210> 7753
 <211> 428
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189025e08b1

 <400> 7753

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 atctgttccg caagaccatg ggaccagtga agaaggccat ggatgatgct ggtctcgaga 180
 agaccagat ccatgagatt gttcttgttg gtggcagcac caggattccc aaggtccagc 240
 agtcctcag ggactacttt gacggcaagg agccaaacaa ggggtgtgaac cctgatgagg 300
 gctgttgcc tctggagctgc agtgcaggga agcatcttga gcggcgaggg cggtgacgag 360
 accaaggata tcctcctcct cgatgtggcg cccctcaccc tcggaattga gactgttgga 420
 ggagtcat 428

<210> 7754
 <211> 279
 <212> DNA
 <213> Triticum aestivum

 <223> unsure at all n locations
 <223> Clone ID: uC-tsrow189025e09b1

 <400> 7754

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 ccgccgcgga gcacggcgtc ccgcggctgg cgttcctcgg caccagcatg ttcgcgcggg 180
 cctgcaccga cagcatgctg cgcaacaacc cgctggcgtc ttgccccgac gccgtcgtct 240
 ccctgccggg gctgccganc cgcgtcgaca tgttacgga 279

<210> 7755
 <211> 422
 <212> DNA
 <213> Triticum aestivum

 <223> unsure at all n locations

<223> Clone ID: uC-tsrow189025e10b1

<400> 7755

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tggcccaagg tgggtgtcaa gaaatggctc aacctcagga gcaaggacgc caagttcaac 120
gccgacgagg acgacggcga cgacgacggg gagcaagagg agagctgcgg ctgacgacggc 180
gccgaggcgg agcgcgaggc cggaggcgtg gacatcgccg aggagagcct ggacgccgcg 240
ccgtacaagc tgcggcgggc gaactcggag acgatgcgcg cgcagtacat cagcaccaag 300
gagctcagga tctgcattgg cacgtacaac gccgccggca tagagccgcc ggaaggcctc 360
gacatgncga gtggctcggc accaccggcg gcgagcaggc cgactggtac gtgttcgggt 420
tc 422

<210> 7756

<211> 504

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025e11b1

<400> 7756

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ctgggccgcc gagaagaaga ccaaggccgt cgaggagaag aagaaatcca gcgagaacgt 180
caaggtcatc tacgcccgcg ccaagcagta cgccgaggag tacgatgcc aggacaagga 240
gttggttcag cttaagcgtg aggcccgat gaagggtggg ttctatgtca gtcctgaggc 300
taagctgctg tttgttgtca gaatcagagg tatcaatgcc atgcaccaa agaccaagaa 360
gatcttgag ctgttgcggt tgagacagat attcatggag tggtcctgaa ggttaacaag 420
gccaccatca acatgctccg cagggtcgag ccatatgttg catatgggta cccgaacctg 480
aagagtgtga gggagttgat ctac 504

<210> 7757

<211> 306

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025e12b1

<400> 7757

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ccgccaaagaa accagaccac ctcccgctctc cgtcctcggc caccaccacc gccacctgcc 120
cgcgctctccc ctccaccgct cctctacaa gaacccccct cgctgcctg cgctgcagcc 180
tacgccggcg agtcaacctc tctctcatct tcgggtcggg ggatctcgcg cgctcctccc 240
ggaatcaggc gccggcggtc ggaggggaaa agacacggac atggagggcg gtcgcggcgg 300
ccggtg 306

<210> 7758

<211> 276

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f01b1

<400> 7758

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aagcatgctt gccgtgcctt cttccgggtg caccggaggc tggcatgtga gcaggggtgc 180
ttcagtgacg cagaagaaaa aaggcaagtc ttatcggcag ggaaggctac gcctttcttc 240
caggtctccc tctctccatc taaatctgtg tttgga 276

<210> 7759

<211> 304

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f03b1

<400> 7759

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gaaatggggc ctgtgccgga ggagtcgggt gcggcggcgc cggaggtggt gttccggtcg 180
aggctgccgg acatcgagat ccccaacgag cagacgctgc agagctactg cttcgccaag 240

atgtccgaag gtgggggtccc gccctgcat catcgacggc cagacgggcg cctcctacac 300
ctac 304

<210> 7760
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f04b1

<400> 7760

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accggcgggc gcatcgtggt ggggtgcatc ccgtaccggg tgcgcgagg cggcgacggc 180
gacggcgagg gcgagctgga ggtgctggtc atcagctcgc agaaggggca cggcatgatg 240
ttccccaagg gcgggtggga gctggacgag tccatggacg acgcggcccg gcgagaggcc 300
ctggaggagg ccggcgctcg cggcgagatg ggcaagggtgc tcggctgctg gcactaccag 360
agccgccgct accagaccac cta 383

<210> 7761
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f05b1

<400> 7761

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cgcggttcct gccgacgagg ccgctgcggg acgacctgcc caccttccag ggcggcgggg 180
gcggcaaggg ggaggagagc cacctcatgg gcctgcggaa gcgcctctcc agcttctccg 240
gcaagatcca gcccatctcc tccgcgtccg ccgagtgggc gttccggcgc acccggtcgg 300
cgcggttcgct ggccgcgag ttcgccggcg gcccgctcaa gcgctggtgg gactggggcc 360
tcggctggct gctctccaag aagctcggct tcgccggcga cctggagatg aacg 414

<210> 7762

<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f06b1

<400> 7762

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tctgccacgg cttgtctgcg cacaggccgc caatgccaac ccgctgtacc gctactacaa 180
gtcaggggtg acacaattcc agccacaggt ggctgagcca acatttgctg cggcgattca 240
gatcggtgac cctgtatcgg tcgaccgtgc ggtggctcgca ctcaaggcaa caaatggcat 300
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catgtttgcc tgcccgcaca ctggggtcgc gctcggggct ctcttcaagc ttcgggaaga 420
gggcaccatc ggggcaaatg accgcacagt gtgtcgtcag cacggcgca 469
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<210> 7763
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f07b1

<400> 7763

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tccccgtact tgtcggacca gtctcact tgttactctc aaaggccgcc aagggcgtag 180
agaaatcatt ctctccccct tcccttctta gcagcatcct tcccgcttac aaggaggtta 240
ttgctgagtt gaaggcagct ggcgcttcat ggattcagtt tgatgagccc accc 294
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<210> 7764
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f08b1

<400> 7764

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 ctatgatcgt cccaaagact gttcaactgt caaagtgaaa cttattggga agttggatga 180
 tggcaccatg ttgttaaaga aaggatcatga tgggtgaagag ccattcgagt tcaagactga 240
 tgaggatcag gtgattgaag ggcttgacaa agcagtgctt agcatgaaga aaggagaagt 300
 tgcctttgtg actattcccc cagagcatgc atttggatc 339

<210> 7765
 <211> 251
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189025f09b1

<400> 7765
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 tgggtggcgcg gcaggtgccg ggcagctacg gcctgccgtt cgtctcggcc atccgcgacc 180
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<210> 7766
 <211> 453
 <212> DNA
 <213> *Triticum aestivum*

<223> unsure at all n locations
 <223> Clone ID: uC-tsrow189025f10b1

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 ttacagactt gtactcacia tngcccgcat catgagttgg agaggagaat catcttgaag 360

gcttttggtg ctgagctggt cctcaccgac ccactcttgg gaatgaaagg agctgtccan 420
aaggcggaag agctggcagc aaagacacct aac 453

<210> 7767
<211> 525
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f11b1

<400> 7767

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gcctccattt ccttctcttc cgtcagcgtg tgtggcgtct tgcgtccccg cggcggcggt 180
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aaactcgcaa gtcactcttg tacttgtgga tttgagtctc gcccgaagg taaggtgaag 480
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<210> 7768
<211> 451
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 7768

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ttctttgttt attggacggt ttcttggtag ttggcgagca gtgctccagc tccatccagg 180
ggccacgaac gtgggtctgg aggagatctg agcctcctcc gtgaggaagg aaatttgcta 240
agtccaccta agatttcacg gacgatcact tcgacacatg agatgaaggc aagaagcagc 300

ttctacgctc agtgacagct cggtccttcc atccattcc caggtgaaga tcaatggcta 360
ctactagtag tacggctggn ggatctcacg gcagttctcg gccctgctat cctcggcggt 420
ctggaatggg tgctgaccc gctgatgctg c 451

<210> 7769
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g01b1

<400> 7769

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ggccgacgcc gcgtcggggg agctgttcgc ggtcaagtcc gtgcgcgcgg cggacgcggc 180
gcatctgagc cgggagcagg ggatcctctc cgcgctctgc tcgccgcacg tcgtcggctg 240
catcggcggc ggtggcgacc gcgacgggtc ctaccacctc ttcttcgagt tcgccccg 299

<210> 7770
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g02b1

<400> 7770

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gagaccaaca gttccactgg aggcattgctt agcaagtttt tcaggccgag aggaagtgcc 180
tgatttttac agcactgcat tgaattcaaa aacaacatca attaagactg ttggctttaa 240
aacttttcct gattacctgg tgcttcagat gcgtaagttt gtaatggaag caggatgg 298

<210> 7771
<211> 106
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g03b1

<400> 7771

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<210> 7772

<211> 344

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189025g04b1

<400> 7772

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ccagaagcat gcttgccgtg ccttcttccg ggtgcaccgg aggctggcat gtgagcaggg 180
atgcttcagt gatgcagaag aaaaaaggca agtcttatcg gcaggggaagg ctacgccttt 240
cttcagggtc tccctctctc catctaaatc tgtgtttgga ggaggggggt acggttagtt 300
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<210> 7773

<211> 305

<212> DNA

<213> *Triticum aestivum*

<223> unsure at all n locations

<223> Clone ID: uC-tsrow189025g05b1

<400> 7773

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cccggaggtg gacccggcgg cggcggcgcg cgacgcgagg gagctgtacc gcgccggcga 240
gaagcggctc ggcaccgacg agcgcgcctt catncgcgtc ttcaccgagc gcagctgggc 300
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<210> 7774

<211> 377

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189025g06b1
 <400> 7774
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 aggaacggcg tgagcgcagc tggggctgga gccggattga ccccgttcgt ctccagagac 180
 ggcggcacgg gcgcaggaac tccggatcgg cgctcaagaa cccagagtcc gcgctgatgt 240
 acacgttggg gatttcttct acctagacat actccagagc agcagctcag ccgccgtgat 300
 ctgtaatcgc cgttccaaaa gagagcagtt tagaaagggt gtcggtggcc caagctctga 360
 tcttcagcct gcattcta 377

<210> 7775
 <211> 329
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189025g07b1
 <400> 7775
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 tgaactgcgg aagcgggtccc gctccggcga cgatggtgcg ctgcaggcag tgcagcgcca 120
 gcgtcgccgc gccgcccggg gcccggtgccg tccagtgcgc gcagtgctgc tgcgtgacct 180
 gcgtcgggcg ggctggccga cagctcagtg tgatgcgccc catcccgaac ttcggcgggtg 240
 gccgcggcaa gaagcgcgcc gtgctggtgg ggatcaagta caccaacact cgcgcctgcg 300
 agctgagggg ccccataacg acgtcaagt 329

<210> 7776
 <211> 338
 <212> DNA
 <213> *Triticum aestivum*
 <223> unsure at all n locations
 <223> Clone ID: uC-tsrow189025g08b1
 <400> 7776

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aaagacgttg gaggcgcagg tctctgagct ggaggagaag aacaataagc tggagaagca 120
catcccgacc tacgactgcg aggaggacgt gccgcaccag cagaggcggc agagggccaa 180
ggtccagatc accaaggcgg cgtcggacga ggtggtgaac ctgacggtga tggatgatgt 240
gggagtgtga cggtggtgnn agctgtgtgc tccgcacccg ggagtgcctc cggtggatgg 300
agcaggtcag cgtcatgtcc gtcgacgccg acacctac 338

<210> 7777
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g09b1

<400> 7777

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gcaacggggc agtggagact ttggtgaaga cctctcacca agttatctcc aaggccaata 120
gtaaattgga taataatggc aatggcaaca gcaatggaag tggcactggc agtagcagag 180
ctggggaagg ggtgggtgga gacagtctct agcacattgg cagtgccaaag caacaggaat 240
tttgtgcttg atgttactgg gaggggtgac atttgagac 279

<210> 7778
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g10b1

<400> 7778

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gagtacgagc tcgtcccat caacttcggc accggcgagc acaagagccc cgaccacctc 180
gccaggaacc cctttggcca ggtgccagct ttgcaggatg gtgacttgta cgtcttcgaa 240
tcacgtgcta tttgcaagta tgcgtgccgc aagaacaagc cagagctgtt gaaggagggc 300
gacataagga gtcagaatgt ggatgtgtgg tcgaggtgga ggccatcagt acac 354

<210> 7779
 <211> 407
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189025g11b1

 <400> 7779

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 cgttcatgta cgcattccagc agcgtaatgg tcgcaagagc ctgaccactg tccagggctt 180
 gaagaaggag ttcagctaca gcaagatcct caaagacctc aagaaagagt ttgtctgcaa 240
 tgggtaccagt tgtccaggac acagaacttg gacagggtcat tcaactccag ggtgatcaga 300
 ggaagaacgt ctcaaacttc cttgtccagg ccggcattgt gaagaaggaa cacatcaaga 360
 ttcattggttt ctgagcaact gccagctcca tatcagagtc tacatgc 407

<210> 7780
 <211> 515
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189025g12b1

 <400> 7780

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 ggcattgacc tcggcaccac ctactcgtgc gtcggcgtgt ggcagcacga ccgcgtcgag 180
 atcatcgcca acgaccaggg caaccgcacc acgccctcgt acgtcgctt caccgactcg 240
 gagcgtctca tcggcgatgc cgccaagaac caggctcgcca tgaaccccat caacaccgtc 300
 ttcgatgcga agcgtcttat cggcagaagg ttgtctgatg cccctgtcca gattgacatt 360
 aagatgtggc ccgacaaggc ttttctggc cctgcagaca agcctatgat tgtagtgcag 420
 tcaagggtga ggacaagcag ttttcagctg aagaaatttc tccatggtcc tcataagatg 480
 cgtgagatcg ctgaggctta cctaggagta actat 515

<210> 7781

<211> 224
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189025h01b1
 <400> 7781
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 ccagccccag atccgaaccc ccgcgggcgcc ccgccattgt cgccgtcccc gacctttccc 120
 cggcagggaa tgggtgactg tgggcgggcg taggcagaca cgagcacgac cgcgggggca 180
 agaagcggcg gcggcgagat ggccggcgcg gagagggaga ggag 224

<210> 7782
 <211> 299
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189025h02b1
 <400> 7782
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 tccatgagaa gaaagccgca atggacttgg atggaaaaga agtgtctaata gaggaattg 120
 tgagaccaag agtcccactg gaggcattgt tagcaagttt ttcaggcgga gaggaagtgc 180
 ctgattttta cagcactgca ttaaattcaa aaacaacagc aattaagact gctggcttta 240
 aaacttttcc tgattacctg gtgcttcaga tgcgtaagtt tgtaatggaa gcaggatgg 299

<210> 7783
 <211> 324
 <212> DNA
 <213> *Triticum aestivum*
 <223> unsure at all n locations
 <223> Clone ID: uC-tsrow189025h04b1
 <400> 7783
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 tagcttcctt cctctcgatc tagctagagc catggcgccg accaagggcg agggggccggc 120
 catcgatcagc gacctcggca ccacctactc gtgcgtcggc gtgtggcagc acgaccgcgt 180
 cgagatcatc gccaacgacc agggcaaccg caccacgccc tcgtacgtcg ccttcaccga 240

ctcggagcgc ctcatcggcg atgccgcca gaaccaggtc gccatgaacc ccataacacc 300
gtcttcgatg cgnagcgtct tatt 324

<210> 7784
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025h05b1

<400> 7784

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gtagttcgga gaggagagaa agggagagat ccatggcgga gacggagtag cgctgcttcg 120
tgggcggcct cgcttggggc accgacgacc acaacctcca gcaggccttc agccagtagc 180
gcgagatcct cgacgccaa atcatcaacg accgcgagac gggcagggtcc cgtggcttcg 240
gcttcgtcac gttcggcagc gaggagtcga tgcgccaggc catcgaggag atgaacggca 300
aggagctcga cgggcgcaac atcacgtca acgaggccca gtcccgcggg tccggcggtg 360
ggggcggcgg cggcggc 377

<210> 7785
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025h06b1

<400> 7785

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attttccctt catttgatat atcgtgtact ttcgtttcct tgtttgcagc tgttttcagc 120
aattgatcgg cataggcatt gcacagagca tccgataaaa tttatatcag tgaggcaacc 180
aaatgtcgtc aaatttaaga taaaaccagg gtcagattct ggtgcttccg acagccgagg 240
aaaaagaatc tcttccttgt ttcacccatt tttcccgtt gcaactgtcga ttcagcagac 300
aaatatgcag ccaactgttg tcaatgtaca tttcaggaga tagaaatat 349

<210> 7786
<211> 317

<212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189025h07b1

 <400> 7786

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 ccaagcggat cctcaaggag ctcaaggacc tgcagaggga tccccccacc tccctgcagcg 120
 ccggccctgt ggcagaagat atgttccact ggcaagcaac gatcatgggc ccatcggaaa 180
 gcccatatgc tgggtggtgta tttttggtta ctattcactt cccccagac taccattca 240
 aaccaccgaa ggttgcattt aaaacaaagg ttttccacc aaatatcaac agcaatggga 300
 gcatctgcct tgatatc 317

<210> 7787
 <211> 271
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189025h09b1

 <400> 7787

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 ccggagcagc catggccaag gaggccggcg gcgagggggc catgtcggag tcggtgctcc 120
 gcaagggtgct cgtctcctac tgctacgtcg cgggtgtggat cttcctctcc ttcaccgtca 180
 tcgtctacaa caagtacatc ctcgacccca agatgtacaa ctggcccttc cccatctcgc 240
 tcaccatggt gcacatggcc ttctgctcct c 271

<210> 7788
 <211> 368
 <212> DNA
 <213> *Triticum aestivum*

 <223> unsure at all n locations
 <223> Clone ID: uC-tsrow189025h10b1

 <400> 7788

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 tacaccgacg ccctccacaa ggccctcctc ttcttcaacg ccagaaatc cggcaagctt 120

cctaagaaca acggcatccc gtggcgcggg aactcgggca tgaaggacgg cgcggacctg 180
 ccggacgtga agggcggggt cgtcggcggg tactacgacg ccggcgacaa catcaagttc 240
 cacttcccga tggccttctc catgacgctg ctgagctggt cgggtggtggg agtacgccga 300
 caggtacaag gcgatcgngg agtacgacca cgtgagggag ctcatcaagt ggggaaccga 360
 ctacctgc 368

<210> 7789
 <211> 304
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189025h11b1

<400> 7789

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 tgagtcgtcg tgtgtgtcgt tgagtcctgt ggtgtttttg atcgcgagct cgagtgctgc 120
 tctgtccggg gttaattaga gctggttacg cgaggaagaa acaacatgtg ttatctttca 180
 gtcttggtcg gtcggtcgtc ggtgatgcag caatcccttc tgatcatggat tgggatgtga 240
 tgttggaata tcctatgttt gaactcgggt taaatggaag aaaatgcaag tcgtcatagc 300
 tgcg 304

<210> 7790
 <211> 407
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsrow189025h12b1

<400> 7790

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 ggatccacat aaagctacaa tgatcatatg atctgaaaat gaagaggatc cacataaagc 120
 tacaatgtca tatggatccg aacatgaaga ggatccacat aaagctacaa tgatcatatg 180
 attagaacat gaagaggatc cacataaagc tacaatgtca tacgggtcag aacatgaaga 240
 ggatccacat aaagccacca tggttatatga gtcaggacat gaaatggatc taaagacatt 300
 tttacagga catgcgacac atttaaaagg aatgnggagt caccatgctc actctcacia 360

gcacgggaac aaaaagcagc aagacgtttt cttcttcacg acatgtt

407

<210> 7791
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026a01b1

<400> 7791

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ccccggctcg ccggacctgc cttcgccga cctcattgcg tcgctgtcgg agccgctgcc 180
tgaggtggcg agccagagcg cgttccggga gtaccgcggc gtcgggctgg agcttccggg 240
gacggcgcgg ggagggacgg ggaacgggat caacatccac cggaggatga tgggcgtgct 300
gggaggaatg gtgccggtca ccgaggagga agagagaccg cagcaacagc accagcagca 360
gcagcagcag gc 372

<210> 7792
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026a04b1

<400> 7792

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atctcaagat tagaaggaaa tcccctatgt tcaaaagtca atgatacata ctgttcaaatt 180
aagaaaaaga acaccacatc tactgtgctc atcgccgtga tagttcctgt ggtactgata 240
tccctcctag tagttatgtg cataatctgg aagttatgct ggaaaggaga gccaaagatc 300
catgaagatt at 312

<210> 7793
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026a05b1

<400> 7793

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aagagctcga gctcgagctc gacctcctgt cccttccggc agtaggggga aagcagaaaa 120
tggacgcggc aggtacctcc aagagaggctc gtcgtcctcc taccaagcca cagaagctca 180
agttcaagcc gaaagtgccg tcgcgcaagc caaagaaacc acctgcacaa aagccacaac 240
tggaagagac ataaccaatt gatgaagagt taatgaagac actgaggacg ggacgaggag 300
atgcaaaaac tttgcgagtt ataaaagatg agca 334

<210> 7794

<211> 143

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026a06b1

<400> 7794

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tcaccggcaa gatcatcacc ttggaggttg agtcattcga caccattgac aacgtgaagg 120
caaagatcca ggacaaggag ggc 143

<210> 7795

<211> 230

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026a08b1

<400> 7795

tctccatgcg gcttgatata ggaggatgtg aggccgcaac catcgagcgg gcacaccctg 60
ttggcgtgac agcagtctcc tgggctccag cagcagcact tgggtccatg gttggctcag 120
atcagctcgt ccacaagatc gtgtctggtg gctttgactg tgtcgtcaag gtgtgggagt 180
ttgtcaatgg tggctggaag ctggagagcg ctctggtctc cgacatgcac 230

<210> 7796

<211> 333

<212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189026a09b1

 <400> 7796

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 tccgccctcc ccgccgccaa gccccgccgc ttctcccatg gcctcgccgc cgctgccgcg 180
 aaccctaggg cctcccgtc cgccgtcctc cgccccgtcc gcgcgtgcct ggccggcgccg 240
 cggcgggccc gagtacgtcc cggaccgaat cgacgacccc aactacgttc gcattcttca 300
 caccacgtc cgcgacgggg agcagtcctc ggg 333

<210> 7797
 <211> 197
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189026a11b1

 <400> 7797

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 gcaaggccgt cgagtccttc acccgccacc gcctccagat ctgccaggag gaggaggact 180
 ggaagcgcgt cgaggac 197

<210> 7798
 <211> 191
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189026a12b1

 <400> 7798

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 caaattggat ccgtcactga gagtatcgag gctgtgaaga tgtcaaaaca tgctggctgg 180
 ggtgtcatga c 191

<210> 7799
 <211> 321
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189026b01b1

 <400> 7799

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 taccgcctca ccgtcgggct cgagctctac aaccccagcc tccgcgtccc catctactac 180
 gacgccctcg acgccgagct ccgcgccagc ggcggggcct tcctcggcgg ccccgctgcc 240
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<210> 7800
 <211> 194
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189026b02b1

 <400> 7800

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 ccaccccgcc ggcgaagatg ttcggccgcg cccccaagaa gagcgacaac accaagtact 180
 acgaggtgct cggg 194

<210> 7801
 <211> 115
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189026b03b1

 <400> 7801

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 ccctcgtaaa tgaatttgac caaatcaaat cgatctccgc tttcaaaaat gttca 115

<210> 7802
 <211> 205
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b04b1

<400> 7802

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 ctctccccgg tttttcccca aatccgacgg actcgaggcc aagcggaggc ggagatggcg 120
 ctgcggtggg cgctgctcag atcggcggag atctctcccg gtcgcaaggc tgcacttgag 180
 tacttgcatc ctctatcaaa ggcac 205

<210> 7803
 <211> 201
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b05b1

<400> 7803

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 tgcgggaaga tgtaccctga tctgacggag cagggcagcg ccgccgccga ggtcgccgcc 180
 gtggtcgtcc tcggcgtggc g 201

<210> 7804
 <211> 359
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b06b1

<400> 7804

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 tgagcagggg tgcttcagtg acgcagaaga aaaaaggcaa gtcttatcgg caagggaagg 180
 ctacgccttt cttccaggtc tccctctctc catctaaatc tgtgtttgga ggagggggct 240

acggttagtt caccacccgg ttactgtgt ccttgggagt tgtgatcatt atcatgcact 300
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<210> 7805
 <211> 290
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b07b1

<400> 7805

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 catgcgtcgg cggctgggccc tgggtcaagg tggcgacgcg gctcaggac gccgggcacc 180
 gcgtcagtcg gcctgacctc gcggcgtcgg gcgtggacct caggccgctg cgcgaggtgt 240
 ccgacgttcc gcgactacac caagccgctg ctggacctcc tggagtcct 290

<210> 7806
 <211> 347
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b09b1

<400> 7806

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 tcctcgaggg gaccggcggc gtcgggcctc ccgtgcggca gcctggcggg gctgctgatg 180
 gggctattcg gctggcggtc gacggggaag gaagacgcgc gcatactcca aggtccggga 240
 cgtggcgagt gacacgtcgt cttcaggag cgcaaggggt agcccgtgcg ccgagcccgc 300
 ttgagctcga cccaccgctg gccgggtgccg gcgccgggtg gtgagac 347

<210> 7807
 <211> 290
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b10b1

<400> 7807

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acgcgccggg cgcgatgacg acgcggacgc cggcccacgt gtggaagggc acgccgtcgc 180
cgctggggcg gtggacgccg taccggggcg cggagcggcg ctgaagcgcc cgtctgcgcg 240
tgcaatgtag agcacgcacg tgtaaaccgt gtggctgtgc gagagcctac 290

<210> 7808

<211> 310

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b11b1

<400> 7808

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acgagataaa agatagaaaa gatatgctta aaaccctgag tgactagag gtcctctatg 180
agcttgcgga gcaccctcac agcaatatgt tcttgtaaa gaccagtttg cttcaacaca 240
taactgatgt gatcaacgat ccctcagctg attctattgt acggtcaagg gcatcattga 300
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<210> 7809

<211> 270

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b12b1

<400> 7809

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atcatcagtg ctctgaagag cagccgcaac ggcaccagtt ctatcttggc catcttctcc 120
aagattcagg attttcaa atcttaccact gacgaagttg aagaggttat ggtattcatt 180
cctttgtata tttctgaaga gatgttcttg gtcattcttt agcttgacca ggagatcaaa 240
atagtgagat gacatactag caccaccagc 270

<210> 7810
 <211> 353
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189026c01b1

 <400> 7810

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 agcaagtcag atcagacaga tccgccgcaa gatggttgag atcatgggtca accaagctgc 180
 aagctgtgac ttaaaggagc ttgtgaacaa gttcatccct gaggtgattg gaaaggagat 240
 tgagaaggcc acctcaggca tcttccccct cagaacgtgt acgtccgcaa ggtgaagatc 300
 ctgaaggccc ccaagttcga cctgtggaag ctattggagg ttcacggtga cta 353

<210> 7811
 <211> 345
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189026c03b1

 <400> 7811

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 cacctcgaag ctcccctcgc tgccgcgggtt cggccccaag ccacggtcca aggtgctgga 180
 gatcgtgctc ccgatcgcca ccgcggcctt cgtcctcgcg ctggccatcg ccttcttatg 240
 gttcgtgcgc acgcggatca ggtacgcgga ggtgcgcgag gactggggag ggtggaattc 300
 gggccgcacc gcttcgcgta caaggagctg tacgactgca tgccc 345

<210> 7812
 <211> 248
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189026c04b1

 <400> 7812

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 gctacttctt ctctcgcctc gccggcaagg acgcctcttc ccatcgccgc atcgccatcg 180
 ccgtcgacct ctccgacgag tccgccttcc cccggggccc agggccgtgc agaactacct 240
 gcgccccg 248

<210> 7813
 <211> 285
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c05b1

<400> 7813

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 gctgcgagg aggcggcggc agcgggggac gtgcggccgg aggagatcg gcgaacgcg 180
 agggcccagg aggaggcggg gctcgcggcc gagctggggc agctcagggc gaaggtcgcc 240
 gcgctagagt cgagcattgc agcacagaca ctggagctga atagc 285

<210> 7814
 <211> 293
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c06b1

<400> 7814

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 gagggcgccc acgacctggg ccaacacgga cgccggcctg ccgaccacgt ggtctacacc 180
 gacggctccg tggcgcgctg ggccctgctg cggcttaacc cgggcccggc acggcccctc 240
 ctacgccttc ggcttcttct gcaccggcca cggcgcgggc ccgtgcgccg act 293

<210> 7815
 <211> 338

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c07b1

<400> 7815

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tctggactag cacacctaag agaatagaga attttcaaga ggttgccaag atgctgaaag 180
tagaccaaag taaaaaatta tcccttgatg tgaaaacacg atggaactct acgtacttta 240
tgctcagtgt tgctttacgc tacaagagtg tatttaatcg cttgaggcag cgggaaaaga 300
cctttacttg tgctcctagt gatgatgatt tgatattt 338

<210> 7816
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c08b1

<400> 7816

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tgtcagtggc tcctatgaca gtggagaagg ttttgaaaaa ctgaacaagg aaatatcaga 180
ttatgagatg tcaaacaact caggaagctc ccgtaggctc ttttatttgg cattgcctcc 240
atctgtctac ccttcagtgt gcaaaatgat ccgaacatat tgcattgagtc caacttctcg 300
cgctggatgg actagagtaa ttgttgagaa gccctttgga agggacctgg ac 352

<210> 7817
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c09b1

<400> 7817

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ccgacgccag caagtaccgc aagatgaagg agaggctcgt cgggtgtctcc gaggagacca 120

ccaccggcgt caagaggctc taccagatgc aggagtccgg caccctcctc ttccccgcca 180
tcaacgtcaa cgactccgtc accaagagca agtttgacaa cctttacggt tgccgtcact 240
cgctccctga tggctttatg agggccactg atgttatgat cgccggcaa 289

<210> 7818
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c10b1

<400> 7818

ctctcctct tcgccgtcc cgctcccgt cccgccgccg cgccaccgtc gtcagccatg 60
gcaccgaaga aggagaaggc cccggcgggc tegtccaagc cggccaagtc cggcgggcggc 120
aagcataaga agaagaagtt ggagcaaggg caagcataag gagaaggtga acaac 175

<210> 7819
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c11b1

<400> 7819

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gtgcgggctc cgtcttcaag tcccacacc accaccgcaa gggccccgcc cgcttcaggt 120
cgctcgactt cggcgagcgc aacgggtacc tcaagggcgt cgtcaccgat gtcattccacg 180
acccggggcg tgggtgcgcc ctggccaagg tgaccttccg ccaccggttc aggtacaagc 240
a 241

<210> 7820
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c12b1

<400> 7820

actacaagct ccagctccc agctcagcta gttgactacc tgcaaatttg gtgacaaggt 60

tgctaggtgg atgaacagtc actcgaccat ggtggtaccg tcggtgttcg cgccttcga 120
caaggacggc gaccgcaagg tgtccgtgtc cgagctgcgc tgctgcatgg cggcgtcctt 180
gggcgaggac atatccgagg aggag 205

<210> 7821
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d01b1

<400> 7821

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cgctccgtcg acatgatcga gaagctgctg cgcgccggca tgtgctgcgc ccgcttcaac 120
ttctcccacg gctcccacga ctaccaccag gagacgctcg acaacctgca cgccgccatg 180
gaccgcaccg ggatcctctg cgcggtcatg ctcgacacca aggggtccaga gatccgtact 240
ggatttttga aagatgggaa gcctatccag ttgaggaagg gccaagaaat tggatgatctc 300
cacagattat agcataaagg gggacggcca gatgatatcg atgagctata agagctagca 360
gttgatctg 369

<210> 7822
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d02b1

<400> 7822

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ccagctcctt ctctctcaac cacctcagac atagcattaa gacggtatgg cttcaccggt 120
tggggccgcc tcctcgtgtg gctcaaggc tgccgctcct tccggattcg cgaccaggaa 180
gcagctctcc ctcgtttcgc ccccgttggt ctcgctgccc cagagggcca ggccagggag 240
aaagtgcagt ttccgagtga acgctgcaaa ggagctgtat ttcaacaagg atgggtcggc 300
tatcaagaag ctgcaaactg gagtcaataa gcttg 335

<210> 7823
 <211> 243
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189026d04b1

 <400> 7823

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 gcccgccgc gcctctcctt cgaccgctcc ccgagatccg ccgacgccaa gcccgtcgcc 120
 gagcgccggg tgcccaagat cggcacgcct cctcccgacc agaagcagct gcggagggag 180
 atcgagctgc agtcgcgggt cgagtcgcgc cagcaggacc tcaagaaggc caaggaccag 240
 ctc 243

<210> 7824
 <211> 205
 <212> DNA
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 <223> Clone ID: uC-tsrow189026d05b1

 <400> 7824

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 cttcgttct gcttgcggtt ggacagtgtg gcaatgcagt cccgacggag gctgaagtgt 120
 actggcgcac cgctctgccc gattctccgc tcccggacct catcctcaag ctctccatc 180
 ctgagaccag ctctgtgaag aaacc 205

<210> 7825
 <211> 205
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189026d06b1

 <400> 7825

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 ccatggagaa gcaaggtgtc gacatgcgtg tgtctgcgtt gatcaatgac accgtaggga 120
 cactggctac gggcagctat aacgatgaag atgttgtcat cggcgtgata ttaggtaccg 180
 gctcaaatgc cgcacatgta gaaaa 205

<210> 7826
 <211> 312
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d07b1

<400> 7826

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 cagagacaca gcccaaaaag gtctgtctcc aggttggtct gtgcaccttt gatgggactc 180
 gtgggtgtag tgctggaatt cggagcgtgg tcgatgatga gcctgtgaaa tcgaatggcc 240
 ttcataccga tcccatgtgc agtgctgtg agatggctgt tgtgtggatg cagaaccaac 300
 ttgcacagaa ca 312

<210> 7827
 <211> 262
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d08b1

<400> 7827

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 tgcacacgac agtggcctac aagatcaacc agagcgaccc gaacgctcgtg ctcgtgatcc 180
 tcgcaattgt gtcggcctg ctgtcggcg tgctcgact gaagctcgag aagcccgtgc 240
 tggtcacgc cagagcttg gt 262

<210> 7828
 <211> 227
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d09b1

<400> 7828

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agacagatcc tccatcaatc cctgtggatg agcttttccc ttcaggagat tttcctgagg 120
gagaaatcca ggaatataag gatgataatt tatggagaac aactagtga gaaaagaggg 180
aacaggaacg actacaaaaa ccaatgtaca attctgttcg ccgagct 227

<210> 7829
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d10b1

<400> 7829

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gccgccgcag ccgccatgtc agggaggaag aagaccgcg agcccaagga ggagaacgtg 120
acgctcggcc ccgccgtccg cgagggggag cacgtcttcg gcgtcgcgca catcttcgcc 180
tccttcaacg acaccttcat ccatgtcacg gatctgtccg ggagggagac gctcgtccgc 240
atcaccggtg gcatgaaggt caaagctgga tcgtgatgaa tcatcccctt atgcagctat 300
gcttg 305

<210> 7830
<211> 172
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d11b1

<400> 7830

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ttacatcata gaagttgtac aagttatgca gttgcaattt ttggcaacaa catggcagct 120
ctgaaagaat tttccatccc aaaaaacatc gattcttaag aaaatacaat tg 172

<210> 7831
<211> 186
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d12b1

<400> 7831

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 ccactaaagc ccttcttgcc cttgtgattg tgagcaagtt cttgatgctt cccagatccc 180
 aaatggccat acaactcaca c 201

<210> 7835
 <211> 206
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189026e06b1

<400> 7835

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 gaaacatgcc cggaagtggc catgacattg ctagcgaaga agccaagcca taagcagcct 180
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<210> 7836
 <211> 260
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189026e07b1

<400> 7836

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 gaagaacgaa cacatggaag aggatatgtt ctgccatgag tttcaccttg ctgatctgag 180
 ggtcatggac aactgcctca aggtaaccac tggggttgac catgttttca atctcgagc 240
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<210> 7837
 <211> 181
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189026e08b1

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<400> 7837

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aaatagagga gtggcctgtt caccggagca agcgaggaag atagctcagc ccgaccacca 180
a 181

<210> 7838

<211> 175

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026e09b1

<400> 7838

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ttacggcgct tgcggtgcac ctccgggcag cacggacgac gtcgtcccg ctcacc 175

<210> 7839

<211> 198

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026e10b1

<400> 7839

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gcaactgagc agcaagttct cgggcatgga cgacgacggc gactggatcg cggcgaggta 120
cctcctctcc tccatcctcg gccggaaccc gctcgtggtc gaccacgctg acgaggagtc 180
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<210> 7840

<211> 183

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026e11b1

<400> 7840

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tcaccctcga ggttgagtcc tcggacacca tcgacaacgt caaggctaag atccaggaca 180
agg 183

<210> 7841
<211> 191
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189026e12b1
<400> 7841

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tgatcggcgg gcggtcgtg tcaagttcct gcaccactcc aggcccaacg gcgaggattt 180
cctcaacgag g 191

<210> 7842
<211> 258
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189026f01b1
<400> 7842

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tcaactcgcg caaatctcct cacctggtga cgagcatcca ccaagtcggc aggctcttca 180
gcacatttta tattgatcat ggcggttaga tatattgata ttttattccc tcccttcaat 240
gtaccatagc taacctgt 258

<210> 7843
<211> 276
<212> DNA
<213> Triticum aestivum
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<400> 7843

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ggcaagacca tcacccttga ggtggagtcg tctgacacca tcgacaatgt caaggccaag 180
atccaggaca aggagggcat tcctccagac cagcagcgtc tcattcttcgc tgggaagcag 240
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<210> 7844

<211> 248

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026f04b1

<400> 7844

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ccagatgccc ggtgacaaga ccgttggggg aggtgatgat gctttcaaca ccttcttcag 180
cgagactggt gctgggaagc acgtcccccg tgctgtcttc gtagatctcg agcccactgt 240
gattgatg 248

<210> 7845

<211> 197

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026f05b1

<400> 7845

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cctgtatata gtagtggtag gtttagtggt tggtttcccc ctgtgggtgt ctggccatgt 180
gccgtatcgg agcgtgc 197

<210> 7846

<211> 287

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189026f06b1
 <400> 7846
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 gttagcgggtg gctgcagtcc tggctgcgct ggtgtgccag ttgcttgtga ggagtgggtt 180
 gccggcgact ccacgaataa agctcgtttg gtccgttgat ctggaggagg tccttatttt 240
 cctctgcttc caaggttacc atggtggtga aggaggaaga gaggaaa 287

<210> 7847
 <211> 222
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189026f07b1
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 gatgtaccct gatctgacgg agcagggcag cgccgccgcc gaggtcgccg ccgtggctgt 180
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<210> 7848
 <211> 218
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189026f09b1
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 cctcactcga gctgatcaag cggatgctgc tgctgaggcg acgacccttc cgagcttccc 180
 ggccccggtc gtcgcatggg acgaggacga gtcccat 218

<210> 7849
 <211> 341
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189026f10b1

 <400> 7849

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 atggtgactt gtacgtcttc gaatcacgtg ctatttgcaa gtatgcgtgc cgcaagagca 180
 agccagagct gttgaaggag ggcgacatca aggagtcagc tatggtggat gtgtggctcg 240
 aggtggaggc ccatcagtac accgtcgcg ctagcccat tctcttcgag tgccttatcc 300
 atcctatgct tgggggagcc actgaccaga cggtcacga t 341

<210> 7850
 <211> 287
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189026f11b1

 <400> 7850

 tttttgccat agccagagag acccagcaac cggagcaagc tccacaccgg tcaagttctt 60
 gcaagagagg aaaaagaaat cgaagaggca gagatgggaa gaaggagaag cccggctctg 120
 ccgctgctgc tgatctttgg cgtcctcgcc gtcgtcctcg cggctcttcc tcccctcgcc 180
 gaatccagca gcagccacca ccaccaccac ggccatggcc accactcccg cgtccaaagc 240
 agagggcacg gaggagaggg agagcagtcg tcctcggctg cggcggc 287

<210> 7851
 <211> 325
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189026f12b1

 <400> 7851

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 ggatcgccgg agaggaatcg cgacgagggc ttctcctat cagttaaata aaagccatgg 120

agcacaagga gaccggctgc cagtctcggg agggcccat cctttgcgtc aataattgtg 180
gcttcttcgg cagcgcggcg accatgaaca tgtgctcaa gtgccacaag gagatggcga 240
tgaagcatga gcaggcaaag ctggccgcct cctctttcga cagcatcgtc aacggtggcg 300
atgccgcgaa agaacatctt gctgc 325

<210> 7852
<211> 318
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189026g01b1
<400> 7852

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ggattccggc gtatgagaga ccttattgga tcaaacagga cgcccagact gcagttaggt 120
gctggatctt attaacatgg gtatcatgat ttacctgatc ttgaaagtgg gccaaagcttt 180
ggctatgagt tgcctagcac aaatggaata aacaaaaata agcagtctca ttcgttgaca 240
aaaaggaaac gtcctaata tgggtcaagct tatgaaaatt caagaaagaa agataagcga 300
ctttctttgt caaagtta 318

<210> 7853
<211> 228
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189026g02b1
<400> 7853

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atgcaaatgg tacacactca ggcagcccat gatgcatttt tccagtctga tagagagcca 120
agttgtagct gttggtcacc tttcatgata tggttgtctg agttaagcat ttgcaatatt 180
gccaaactagt aggattgctc tttgagaaga ccttgcgttg ctattctc 228

<210> 7854
<211> 232
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g03b1

<400> 7854

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ccccgcacag catcgccgct gaggagggcg ggcagcagca acagatgcac caggacgaga 120
aggagcacag gccgatgttc aggagagtca aggacaggat gaggaagatg aagaacacca 180
tcgccggcca cggccacgat cacgatcacg atcacgagca ggacaccggt gg 232

<210> 7855

<211> 362

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsrow189026g05b1

<400> 7855

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gctagtgagt tagtgaggat caatggcatc ccagctggag tcactcatga agcgactgtg 120
gagctatctt cccccttctc ttagcagttc caggagcgac cctccacaac cgattcctga 180
tcccaccggt gatcctccag ccgctcaagc cggggacact cccgccggtc aggagctttc 240
accgctctt caaggtgtaa actcaggact cagctactta tctactctca gcacacacgc 300
atacgttaca cacctntttt tgctaattgat atccccgaa cgctgtgata ataattctatg 360
gc 362

<210> 7856

<211> 231

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g06b1

<400> 7856

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agaatgtgct tatctttgac cttggtgggtg gcacttttga tgtctctctc cttaccattg 120
aggagggtat ttttgagggtg aaggccacgg ctggtgacac tcaccttggt ggggaggact 180

ttgacaaccg tatggtgaac cactttgtcc aagagtttaa gaggaagcac a 231

<210> 7857

<211> 265

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g07b1

<400> 7857

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gagtacccca ttgtgtcgat tgaggacccg tttgaccagg atgactgggt gcactatgct 120

aagatgactg aagaatgtgg agtggaagtt cagattgttg gtgatgacct tctagtcacc 180

aacccaacta gagttgcaaa ggcaatccag gagaagtcac gcaatgctct tctgctcaag 240

gttaaccaaa ttggatccgt cactg 265

<210> 7858

<211> 219

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g08b1

<400> 7858

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acaaactgca ggcccctgct tgctagctag tgatttcctt tccctttag cttccctccc 120

gtgttcagaa atgggtcaag aacaaaagca aaaaaaaaaa gatcatgtgt aatctatgat 180

gagatggtaa tcaggtccaa cgctagacct tttctcaaa 219

<210> 7859

<211> 254

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g10b1

<400> 7859

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ctagccgccg ccgccgacca ccgcgagcaa gctcagatgg gaggcaagtg cccacaccgc 120

aaggtgaaga agcgccgtct caactgcaag caggtgcgcc gcggcaagtt cctcgtcaaa 180
gccgacgacg ccgtctacga cgagctcgtc aagctggccg accagggcaa ggattccgag 240
ggcaaggcgc tacc 254

<210> 7860
<211> 310
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189026g11b1
<400> 7860

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atacttgta ctctcaaagg ccgccaaggg cgtagagaaa tcattctctc ccctttccct 120
tcttagcagc atccttcccc tctacaagga ggttattgct gagttgaagg cagctggcgc 180
ttcatggatt cagtttgatg agcccaccct tgtaaggac cttgaatccc accaattgtc 240
tgcattctct gcagcttacg cagaacttga gtccgcactt tctggattga acgttcttgt 300
tgagacctac 310

<210> 7861
<211> 160
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189026g12b1
<400> 7861

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ccttttgga gttctcttgc ccgaggcgcg cgcaattcg tgccaccccg gcgacctccg 120
tgcgctgctg gactttgccg ggagcctcaa tggtcgggat 160

<210> 7862
<211> 251
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189026h01b1
<400> 7862

gatcaaacac cgacatacac gccgaactgg attctctcca gcctgaaaat ctcacaaggt 60
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 gtgtatacgc cgcagcgatc gagacctaag ctgtaatgag ttacccagaa cagggcttat 180
 gagtaaattt tccatatgcc cagcccatat cctactctga tcagcaggag ctcaaacacc 240
 atgtgcagga t 251

<210> 7863
 <211> 326
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsrow189026h02b1

<400> 7863

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 cctgcgcgag ggttcgaact tggctaagaa ctgggatttg agcagacaaa ttggtgatga 120
 gcacgggtgtt cttatagaat gcagggatgt gcacaagtcc tttggggaca agcatgtact 180
 gcanggcgtc agcttcaaga ttagacatgg tgaagctgtt ggaataatcg gtccttcggg 240
 aactggcaaa tcaactattt tgaaggttat ggcgggcctt ctagcccttg atagggcgag 300
 ggtgttcac tgcggaaaga aaagac 326

<210> 7864
 <211> 305
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h03b1

<400> 7864

ctgtcgcgtg ggcaaatttg acagccagta ccacttttca tgccaattca cagctgacct 60
 gattgccatg aaccacactg atttcatcat taccagcaca ttccaggaaa tcgctggaag 120
 caaggatagc gtgggccaat atgagtctca cattgctttc acccttcttg atctgtaccg 180
 ggttgtccat gggattgatg tgtttgatcc taagttcaac atcgtctctc ctggagcaga 240
 catgactgtc tacttcccat acaccgagac tgacaagagg ctactgcct tccactctga 300
 aattg 305

<210> 7865
 <211> 345
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h04b1

<400> 7865

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 tccccgggga cttcaccgga aaagtggaca gcagcactcc gcggagcgcc gggcgagatg 120
 gggttcatcg gcgaccaggt ggagtcgacg cgctcgatgc aggtccgcca ggtgctcgcg 180
 cagatcatca gcctcgggtat gattgttacg tcggcattga tcatatggaa ggggttgatt 240
 ggttgcgact gggagttgag tccccgggtg tccgtgggtc tttctggtag catggagcct 300
 ggattaaaag ggggtgatatc ctgtttttgc gcatgagcaa agaac 345

<210> 7866
 <211> 265
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h05b1

<400> 7866

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 cagcggagct ggccctggcg cggcggcact gcgaggagct cctgggcttc ctctcccgt 120
 tcctggacgt ccgccagctt gacctgcgtc tgctgatgga cgaagacatg caaggcgctg 180
 ccggcggcgc acgctcggcg gaccaagagc actgccgtag cagcaccgc agcagccgtt 240
 cgcggagatc gccgaccagg ccgtc 265

<210> 7867
 <211> 292
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h06b1

<400> 7867

tttttaggtt cggcgacctc agccccaggg aggtcatcca gcagttcacc gggctcaaca 60

ccaccagctt gaatgccacg tcacccacct acctccccta ccactccttc aagccctgct 120
 gcgttgactg gcgctccagt ggcgctgtca ccggcgtaa gaatcaaggc acttgtggat 180
 cgtgctgggc attcgcggcg gtggcgcca tcgaaggcat gaacaagatt aggacagggtg 240
 agctggtgtc gctgtccgag caggaactcg tggactgcga caccgggagc ag 292

<210> 7868
 <211> 296
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h08b1

<400> 7868

ataatcatcc tcgacaccaa agctcatctt cttctccttg aaatcttttt gggttcatca 60
 gatttgagg atgtcttgca actgtggatc cggttgacgc tgcggctcag actgcaagtg 120
 cgggaagggtg taccctgatc tgacggagca gggcagtgcc gccgcccagg tcgccgtcgt 180
 ggacgtcctc ggcgtggcgc ctgagaacaa ggcaggtcag ttcgaggtgg ccgccggcca 240
 gtccggcgag ggctgcatct ggggcgacaa ctgcaagtgc aacccttgca actgtt 296

<210> 7869
 <211> 284
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h09b1

<400> 7869

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 cctcgagct cgctctccgg ccatggcctt ccagtcctccc gtcggctccc ccttcgactg 120
 cctcctcata gacctgacg acacgtgtg cccgggcaac accggcattg gccccgcctt 180
 gaggcgaac atcgacgagt tcctcgtggc ccggttcggc ctgcgcccg acaaggccga 240
 cgcgctccgc gccgacctct tccgtccca cggcagcacc ctgc 284

<210> 7870
 <211> 364
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h10b1

<400> 7870

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atggactttg gtgccacaga ggttgatccc aatatcgcaa ggtggctgta cccaaggctt 120
ggttatatgc cttacaatgc ccagtctgag gaattcggca ttgctggatt gaagagggcc 180
cttgaagcat tgaacacaca cctggcatca aacacattcc ttgttgggca ttctgtcact 240
ctggctgata ttgtcatgac atgcaacctc taccatgggt ttgctcggat cttgaccaag 300
actttcacat ctgagtttcc tcatgttgag aggtacttct ggatcatggg taaccagcct 360
aact 364

<210> 7871

<211> 293

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h11b1

<400> 7871

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tgctggcttc tctgctggatt cgctggccca aaggatcgtt gattgcaagc ctaagcttgt 120
gctcacttgc aatgccgtga aaagggggcc caagcccatt cttctcaaag atatagtgga 180
tgctgctctg gtggaaagtg agaagaatgg attctctgta ggtatttgtt tgacatatga 240
aaaccagtct gtaatgaaga ggcaagacac aaaatggcaa gtgggaagaa gat 293

<210> 7872

<211> 348

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h12b1

<400> 7872

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gtcttcgaga tcgaagactg gatcgatcaa aggccggaga ccaacattct gttggacaca 120
gaagaaatca aatacttcat gtctgagatc aaggagcgc gtgagcgctt caaatggtac 180

cgaagtcttc tcaagataga gtccagtgag accgatcttg ctgttggtgc acccagcaaa 240
atcaccattg accctcgtct gcttagcgag gagaaatatt gtcattggtat tcttgatggt 300
ccaagggatg agcttggtcaa gcatctgaca gatcagacgg aggagatg 348

<210> 7873
<211> 164
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189027a01b1
<400> 7873

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cctcgtcagc tcccaggttc ttctgagcg aagcaagcca aggcaagcta ggtagcagat 120
ccaagaagga gaagcgatgt cggacgtgac ggcggtgatg gatc 164

<210> 7874
<211> 320
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189027a02b1
<400> 7874

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agatcaggcc acctcactca ccttcagtct gtcgtgatgg acaaagttaa gatcccaaca 180
aaaagtgctt cttgatgcta tgatgcagca acttaacctt ccaaattaca gtttactaaa 240
cagacctggc cggcagatcc ctacgtatc agggaaggca gacatcagcg gagattgagg 300
gcgcctctcc ggcgagagtg 320

<210> 7875
<211> 285
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189027a03b1
<400> 7875

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gtaagggtgc gggctccgtc ttcaagtccc acaccacca ccgcaagggc cccgcccgt 120
tcaggctcgt cgacttcggc gagcgcaacg ggtacctcaa gggcgtcgtc accgatgtca 180
tccacgaccc ggggcgtggg ggcgcgtgg ccaaggtgac ctccgtcac ccgttcaggt 240
acaagcacca gaaggagctc ttcgtcgcgc cgagggtatg tacac 285

<210> 7876
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a04b1

<400> 7876

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ttcaagggtga acccgtgctc ccgcgcctac acgcacgact ggaccgagtg ccccttcgcc 120
caccgggggg agaacgccc cgcgcgcgac ccgcgcgcgc tccatactc ctgcgtcccc 180
tgcccgagct tccgcgcga cccggcagca tgccgcaagg gcgacgcctg cgagtacgcg 240
cacggcgtct tcgagtcatg gctccaccgc gcgcagtacc gcaccaggct ctgcaaggac 300
gaggtcgggt gcccccg 317

<210> 7877
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a06b1

<400> 7877

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attggtcttg ctggcctcgc cgtcatgggg cagaacctcg ccctcaacat tgccgagaaa 180
gggttcccca tctctgtcta caacaggacc acctccaagg tcgatgagac tgttcagcgc 240
gccaaagctag aaggaaacct ttctctctac ggattacatg accctgcata ctctgtcaac 300
tccattcaga agccacgtgt agtcatcatg cttgtcaagg ccggtgcccc gggtgaccag 360

accattgcaa cgctcgagc acacctggag c

391

<210> 7878
<211> 128
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a07b1

<400> 7878

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gtcagaaaaa ccatggcggc ttcccggtgcc tagactgcac tgcttgctgt ggtggtactc 120
atggtctg 128

<210> 7879
<211> 471
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a08b1

<400> 7879

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caacaattcg aagagcgaac caaaggtcaa gcagttagca gaaggtgtgg caagcaagct 120
gaagcctgta aaacattccc caatagatgt tagagaaaag gggccaatga gaaagcttat 180
gaagtcagag tcattcaagc gcgaggggtc agttagtaaa gactccagtt cattaaaaca 240
gaataaatca tctctcttgt ctcgagatga aaaaccaaga atgttgaagc tgatgagtga 300
taagagtttt ttagaaagaa ggccttcttt tattcttcag aaaccacctt taccaccaag 360
gcctgatagt tctgtcaagt cgggagatag aaaagtcgac caagataatc caaggcctgg 420
accaagcata ctaaatacta gcaaaaagcc aggtaacatc gaaaagaagc a 471

<210> 7880
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a09b1

<400> 7880

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 aggacgcgcg cggcgccgcc gcggtgcgcg ccgacgacgg ccaggtctac accgtcgagg 180
 agatcgtggc catggtgctc cactacgcct acgggatcgc cgacgcccac gtctgcctgc 240
 ccgtggtgga cgctcgtcgt cgccgtgccg ccctacttcg gccaggccga gcgccgggccc 300
 ctcacgcagg cggcccaggc cgccggcttc aacgtgctcg cgctcgtcaa cgagcacgcc 360
 ggcgccgcgc tgcagtacgg gatcgacaag gactttctcaa cgagtcgcgc catgtcatct 420
 ttacgacat gggctcaggc agcacctacg 450

<210> 7881
 <211> 378
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189027a10b1

<400> 7881

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 tcgggcgtga catcgtggac gccactaca aggcctgcct ctacgccggg atcaacatca 180
 gcggcatcaa cggggaggtc atgcccgcc agtgggagtt ccaagttggg ccgtccgtcg 240
 ggatcgcggc gtccgaccag ctgtgggtgg cgcgctacat cctcgagagg atcactgagg 300
 ttgccggggt ggtgctgtcc ctggaccga agccgatccc gggcgactgg aacggcgcg 360
 gcgcgcacac caactaca 378

<210> 7882
 <211> 424
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189027a11b1

<400> 7882

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 atctggcaac aagcaccatg ctgatacatt tgctttgtcg aagccatcgg tttgaggaag 120

catgtgctga gtttgaggac atgttccgta gaggccacgt gccccagtat atcacttaca 180
 ggatgcttat gaaagagctc aagcggctgg gtttggttca actggaagag aagttgaccg 240
 acctaatgcg ctacgtacca cattctacaa agttgcctgg cagctacaga gaaaaggaag 300
 gcgacaatgc taaagaaaag agaaagttaa tattggagaa agctcaggct gtttccaatg 360
 ttctgaagga gtgtaaagat ccgaaggagt tgcacaagct gaaagatgat gaagaaactg 420
 atgt 424

<210> 7883
 <211> 257
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a12b1

<400> 7883
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 tccagaacct gactgccgcg ctgacggagg aggcgcccgc agaggagacg ccggtggccg 180
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 ctgccccctg cgaggtt 257

<210> 7884
 <211> 311
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189027b01b1

<400> 7884
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 ttgcctgcta tctgtctgct cactggaaag ttcacatgc cagagattag caacttggcc 180
 agtatctggt tcattgcgct cttcctttca attttcgcca ctggtatcct tgagatgagg 240
 tgagctgctg ttggcattga cgagtgggtg aggaatgaac agttctgggt cattggagggt 300
 atctctgcac a 311

<210> 7885
 <211> 235
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189027b02b1

 <400> 7885

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 tggccaaata attaccgtga agaaactcgc ggaaaattcg ccaatcgac gcgacaaagc 120
 gtttgctaac gaggttcaga acattatggc tctccacat gaaaatgtac tgaagttggt 180
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<210> 7886
 <211> 407
 <212> DNA
 <213> Triticum aestivum

 <223> unsure at all n locations
 <223> Clone ID: uC-tsrow189027b03b1

 <400> 7886

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 ctgcccagct gcgtcggctg ataattcaag gaaagggtcaa gtcttcacag aaatgctgaa 180
 taattgcttg gatcagatgc gtgcaccgtc gtctgaaact cgtatattca tgaggtgtga 240
 tgtaatttc gaccaatctg cccatggacg gaacctgaac accatgatcg gcagagcagc 300
 ccacatagaa ttcttgagga ctgacatcta cgccagggtc attcatgtgg tccttccttg 360
 aacttttncg atgacgatga caatgttctc tcctcttat ttgggat 407

<210> 7887
 <211> 260
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189027b04b1

 <400> 7887

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 tttgggatcg ccatgggagg ggattcgagg ttctcccact gacgcggctg gtcgggtcgg 120
 tcagcgacag cgcacgccat ggccgaggac catggatcgt cgcggcacat gtcgtccatg 180
 tccatgtcgc acaaggagct gggcgacgac gacgcgcggg tgggtgcatgt gggcgacgcg 240
 gagcgacca acgagcgctt 260

<210> 7888
 <211> 252
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189027b06b1

<400> 7888

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 agaagaaggt cgacgacgat ggcggcggtg gtggagctga ccaaggagta cggctacgtg 120
 gtgctcaccg tgggtggccta cgccttcttc aacttctgga tgagcttcca ggtcggcgcc 180
 gtccgcaaga agtacaaggt gttctacccc acgctgtacg ccatcgagtc ggagaacaag 240
 gacgccaagc gc 252

<210> 7889
 <211> 413
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189027b07b1

<400> 7889

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 gggcctcgac aagctccgtc gggccgcccgc caccacccc ctcgccatca acacagctgc 180
 aggggaggcg attaagcagt cgcctcgat gccgactacc ccgaccactc cgggtgacgcc 240
 gtcgtcgtcc acgccgccgc gggcgggcag cgtgtggcgg agcgttttcc accccgggag 300
 caacctggcc accaagagcc tcggcgccaa cctcttcgac cgcccgcagc ccaactccca 360
 caccgtctac gactggcttt acagcgacga gactaggaca aggagcaacc acc 413

<210> 7890
 <211> 486
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189027b08b1

 <400> 7890

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 agtagtaatc cccgccgccc aacccccacc ctctccggcg cgtgcgcttc cgatgcttcc 120
 gcgccggcgt cggccacggg tgggtgcagt atgggtgggt tcttccgcag cggcaacctt 180
 gcctcaaggg tgttcgaccg gcagtttctc tctccgcgcc ccggcgcaac cgtaataact 240
 gtcagacaat tctatgagaa tttggttcca agttacacta tatacggcat agattgcca 300
 gactattcgt ttcgcaagtt caccgatgat ggcaagtatc ttgtggcctt tagtcgaaac 360
 caccaagatt tgattgtgta ccgtcccatc tggttaacgt tttcatgcca tgaagaatgt 420
 gattctcatg atcttccggc caatgcagag agatttgaca gtttctttaa gcagctctac 480
 tcaatc 486

<210> 7891
 <211> 325
 <212> DNA
 <213> Triticum aestivum

 <223> unsure at all n locations
 <223> Clone ID: uC-tsrow189027b09b1

 <400> 7891

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 gttacaaaaa tttcgctgc atttgtgcta ttcttcaatt gttccgagga agagatggaa 120
 aggcgtcttt tgggacgcaa tgagggtaga gttgatgaca acatcgagac tatcaggaag 180
 agattcaaag tttttgttga atccagtttg cctgtgattg agtactatga cgcaaggac 240
 aaggttaaga agatcgatgc tgcaaaacca attcctgaag gtgtttngaa gatgtcaaag 300
 ccattcttgg cccatatgcc aaggc 325

<210> 7892
 <211> 323

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189027b11b1
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 gctttttcgg ttgcgtccgt cgattcgtct gccatggagg gaggaggcgt tccttccgcc 120
 caggacgtgt gggactggga ggtgctgcct gacgagcaca ggagcttcta cgccgagacc 180
 agggccgcat cccgtgcccc cgacggcggc gaggttcttg ccgatcacga aaccgaggaa 240
 ccgatcctgc ctcccccgtc acaagtcgac gctgataatg ttgacgagtg caaggacatc 300
 ggcgtcgacg tcgacgtcgt gcc 323

<210> 7893
 <211> 393
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189027b12b1
 <400> 7893
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 ggtegccggc tgtttcatca ccgacgagtg cgccctggcg gtgtcgacgg agcggatgtg 120
 gaaggcggtc ttctccggcg aggacacggc cgtcctgccc aaggcctgcg cgggcttcat 180
 cgacgccgtg gacgtcgagg gcgactgcgg acccggcagc gtctccacca tgacgctcag 240
 cccggcggca gcgagctcg ccggctcggg cgtgatgagg agccgcctgg tggcgcgca 300
 caacgcggcc cgtgtgatca agacggagct gctggagggc agcaaggtga gcgccagct 360
 caagtcgcag gtggccgagg tgaagctcga ggc 393

<210> 7894
 <211> 265
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189027c01b1
 <400> 7894
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aaaacacaca cacacagtag agagcttcag catcccctga gcgcgagaga tggcggcgaa 120
 gggcgacggg ccggcgatcg gcatcgacct cggcacgacc tactcgtgcg tcggcgtgtg 180
 gcagcacgac cgggtcgaga tcatcgccaa tgaccagggc aaccgcacca cgccgtcgta 240
 cgtcgccttc accgactcgg agcgc 265

<210> 7895
 <211> 236
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c02b1

<400> 7895
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 ctttttgggt tcatcagatt tggaggatgt cttgcaactg tggatccggt tgcagctgcg 120
 gctcagactg caagtgcggg aaggtgtacc ctgatctgac ggagcagggc agtgccgccg 180
 tccaggtcgc cgccgtggtc gtccctcggcg tggcgccctga gaacaaggca ggtcag 236

<210> 7896
 <211> 339
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c03b1

<400> 7896
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 cccaagccc gacaaggagt tccccgtcgt cctggcggag tgggtggagga gggaccgat 120
 cgcggtgctc aggcagtcca tggtcaccgg tgcgccgcc aacgtctctg acaccatcct 180
 catcaacggc cagcccgggg atttcctccc gtgctccagc caagagaaa gtatcattcc 240
 ggtggtcgtc ggcgagacga acctggcacg catcatcaac gcggccatga actccgagct 300
 cttcgtctcc ctgccggcc acaagatgac ggggtggtcg 339

<210> 7897
 <211> 247
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c04b1

<400> 7897

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ctccttgccg cctcgcctt ggtccactcc ggcggcccct tcgccctctt taaaccccag 120
cacctcaatc acgtcttcac tccaccgccc gcgaaatcca ggccctagcg cgacttcgcc 180
atggccgcag cactcctcct cctgggtgccg cccgtcggcc tcctcgccga gctcgccttc 240
ctgaccc 247

<210> 7898

<211> 468

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189027c05b1

<400> 7898

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aaatatgggt gtctctggtg tgtcatggcc tatcttcagg tggggtggtg gaagagatga 120
taagtatttt gctagacttg gaaagaatgt tatactctgtc tatgagactg atacgttctc 180
tcttatcgat aagaagtccc taaaggtaga aaatgtggtt gacttcagtt ggtctcctac 240
tgatcccatc atatcactct ttgtgcctga attaggtggt ggaaaccagc ctgccagggt 300
gagtcttggt caaattccgg gcaaagagga gattcggcag aaaaaccttt tcagtgttag 360
cgactgcaa atgtactggc agaacaatgg agaatatctg gctgtccagg tagacaggta 420
caccaaaaca tagaagagca ttacactgg gttcgagctg ttcagaat 468

<210> 7899

<211> 258

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189027c06b1

<400> 7899

agcatgatat gcaagcgtga acactcatct tggcattgaa caaagtcgaa gagatgactt 60
ggaatctctt ggatatgtac ttatgtactt cctacgggga agccttcctt ggcaaggctt 120

gaaagcagga acgaagaagc aaaagtatga gaagatcagt gagaaaaaag ttgcaacatc 180
aattgaggct ctgtgtcgtg ggtatcctac tgagttcaca tcatatttcc attattgccg 240
ctcgcttcgg tttgatga 258

<210> 7900
<211> 412
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189027c07b1
<400> 7900

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acgtcgagta ccgctgcttc gtcggcggcc tcgcctgggc caccgacgac cagtccctcc 120
agaacgcctt ctccaagtac ggcgacgtca tcgactccaa gatcatcact gacagggaga 180
cgggccgttc ccgcgggttc ggggttcgtca ctttcgcgtc ggacgaggcg atgcgccagg 240
cgatcgaggc catgaacggc caggacctgg acggccgcaa catcaccgtc aacgaggccc 300
agtcccgccg ctccggcgga ggcggcggcg gcttcagcgg cggaggcggt ggcggtacg 360
gcggccagcg ccgcgagggc ggcggcggcg gctacggcgg cggcggcggt gg 412

<210> 7901
<211> 406
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189027c08b1
<400> 7901

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caacatgacc gaggtctgcg tcaaggccgc cgtcggccac cccgacacgc tcggcgactg 120
tcccttctcc cagaggggtgc tgctcacgct ggaggagaag aaggtgccct accagatgaa 180
gctcatcgac gtcagcaaca agcccgactg gttcctgaag atcaatccgg agggcaagg 240
gcctgtgtat aacggtggtg atggcaaatg gattgctgat tctgatgtga tactcaagt 300
cattgaggag aagtacccaa ctccatcact tgtgaccct cctgagtatg catcagtggg 360
atcaaagatc ttctccacct tcgtcacgtt cttgaagagc aaggat 406

<210> 7902
<211> 105
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c09b1

<400> 7902

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gttcgtcccc accgacgacg agctgctcca ggcgcagtcc gacct 105

<210> 7903
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c10b1

<400> 7903

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ccgcctatct cgggaaacca agtcggctcg tgcggtttaa agaagagtcc gaaatcaggc 120
cgactaatcc tgagtatgct caaggctaca agatcacctt cacggattgc ttcccgttcc 180
tgatagcatc ccagggatca ctggatgcac tgaatgagct gcttaaggaa cctgtaccaa 240
tcaatcgctt cagaccaaatt atttttagtgg acggatgcca cccgtacgca gaggatctgt 300
ggaaaacccat gaagataaac aagctaaccat ttgacggcgt gaagttatgc gaccgttgca 360
agggtgcctac cattaatcaa gagaacggaa tacctggcag cgaaccaaca gaaaccatgc 420
tga 423

<210> 7904
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c11b1

<400> 7904

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gatgggcgcg caggcggacg tggaggtcgt gttcgaggtc ccgcccctgg agcacgccga 120

cgctcctggag cccaactggc tgctggaccc gcagagcctg tgcggcgaga agggcgcgctc 180
 cgtgccgggc agcgtcggcc cgttcgggct gctcgtcatg gcctccggcg acatgcagga 240
 gcaca 245

<210> 7905
 <211> 379
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189027c12b1
 <400> 7905

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 ttcgtcaagc ggatctctga tttccacctg cttctccaga tcgctgcttt cctggatgtc 180
 aaggccgacg tgcctactct ggctgcggtc gtgggacacc aggccgaggt gccagagggc 240
 taccggctcc tgatcgacgc cttggcaggc atacataacc agagagggtt tcctgaaaca 300
 agacacgggg tcatttagca gcttgctctc agtatcatct catgtgtgat ttatacgagt 360
 tttaaacaag acttacaca 379

<210> 7906
 <211> 238
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189027d01b1
 <400> 7906

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 gcgacgccgc cgagtccgac gtctctggg cgcgcttctt cccaccggac taccgcgcca 180
 tcctccagct gcacgaggcg cggcgcggc gcttccccct ctgcgctcc ggctccac 238

<210> 7907
 <211> 335
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189027d02b1

<400> 7907

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cctttctgat cacatgatag gcaatgtgta tgtccagttc agagaggaag atcaggcagc 180
agcagctcat actgcccttc agggacgatt ttactctggt cgcctaataa ttgttgactt 240
ctctcctgtg acggacttcc gtgaagcgac ctgcatgcag tatgaggaga acacctgcac 300
tcgtggtggg cactgcaatt tcatgcatgt gaagc 335

<210> 7908

<211> 249

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027d03b1

<400> 7908

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atcctcaatg atggtactat catgacaata tccaaggaca gagttaagcc atctcccttg 180
cccgcagct ggaagctcaa tgaaatcttc gccactggtg ttgtgctcgg aacctacctt 240
gccctgatg 249

<210> 7909

<211> 510

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsrow189027d07b1

<400> 7909

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tcggcggcgg cgtctcgggg gggtagcgcg cgcgggagtt cgccaagcag ggcgtgcagc 180

cgggggagct cgccatcatc tccaaggagg ccgtggctcc ttacgagcgc cctgccctca 240
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 aagtggaggg gagaggctct tgcctgaatg gtactcacag aaaggcatcg agcttatacct 360
 gagcactgaa attgtcaaag ctgatcttgc ttccaagact ctgactagtg cagctggagc 420
 aacctttaca tatgataccc tgctaatngc tactggctcc tcagtcatta agctctctga 480
 ttttggcact caaggagctg attctaacaa 510

<210> 7910
 <211> 337
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189027d08b1

<400> 7910

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 taccatattc catcgaagggt ggtgtgtgca gagcagcagg ctgtggacgt gatgggcaat 180
 gcccttcgag agtattttctt ctatggaaaa aagaaatatg atgagcgaaa ggcggccttt 240
 gaacgtgtga ttgcacgcaa aggtctgggt gactatttcc caggcttcgt ctccttcgag 300
 acatgtgtag agacttaca gcaaggaagc gagcaca 337

<210> 7911
 <211> 337
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189027d09b1

<400> 7911

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 aatcgacgtg aaggttctgt cagccacttc aaggcaaggc gtccgagagt tcttgactga 120
 acttacagca atttcagaca tcaagcatga aaacctcgtc acgcttgctg gctgctgtgc 180
 tgaagggctc cataggatcc tcgtttacaa ttatcttgag aaaaacagcc tttcacagac 240
 attgctaggg tctggctaca gcagcatcca gttcaactgg agggctcgtg tcaaaattgc 300

cgagggagtt gcccgtaggac ttgcatttct tcatgag

337

<210> 7912
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027d11b1

<400> 7912

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cgtgtccacc tgctccgtct agtcgcgaca cccgcacagc tctgggtcgc agtcgcagcg 120
atggcgccca accaccgcc cgcgcacctg ctcttctctg ccgcggcgct cctgctctcc 180
gcctcctgcg ccgccgccgc cgacttcgag tactgcaaaa agggggcgcca ctatccggtg 240
aaggtgag 248

<210> 7913
<211> 252
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027d12b1

<400> 7913

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acgtctgcag gcagcccaag gacatggtgg tctcgcggtg gcacttcac cggcggctgc 120
atcccagct ggcgttcgcc gacgtcttcg gggccgtgtg cagcggcttg gtggcgtag 180
gaccagcgaa aacatgtttt agagtctatg catccgggta cttcttattc aaccactcat 240
tcctgcatca cg 252

<210> 7914
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e01b1

<400> 7914

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 taagaagacg ttccgatgcg ccgatgcacg cgtcgacgat ggcacgccct gcaagccctg 180
 caagaagtac tgatecgtca tgtctcagaa catcagatgt tgcgccgaaa ataaaagctg 240
 ggatgagttg agcagagccg ttatggc 267

<210> 7915
 <211> 227
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189027e02b1
 <400> 7915

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 cggcgaacaa cccagccta cgtggcttcg agatcatcga cgaggccaag gccgcactgg 180
 aggcgttctg cccgcgcacc gtctcctgcg ccgacgtgct cgctttc 227

<210> 7916
 <211> 270
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189027e03b1
 <400> 7916

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 gatcccgtagg tcgctgccgc tgcctcatcc gacctccctc atcagccgcc gccgacacta 120
 cggctcctcc atccaccgac tctgtctgtg caagcgacca gtttccttcc gccccgacct 180
 tctccactgt ctcccagttc atcatccgct ccttgctgct cgagggtgctc atctgccccat 240
 gccgcgagga agcaacgtga ggagggagag 270

<210> 7917
 <211> 223
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189027e04b1

<400> 7917

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tcacgcactg ggtgatgagc cgtgcccctg gcttgtgcgc ccacggcttc accaggatgc 180
acgtcgcgat gtagtccagg ttcgtcaggg gcacgacgtg tgc 223

<210> 7918

<211> 233

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e05b1

<400> 7918

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gcccgcacatg gccctccgc ccccgcgccc catcatggcc cctccgcctc cgcctccgct 120
gtcggccatc ccgtcccggc tccaccgat ccggccggcg ccgctggccc cgcgccgccc 180
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<210> 7919

<211> 346

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e06b1

<400> 7919

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cggagtaccg ctgcttcgtg ggccggcctc cctggggccac cgacgacaac aacctccagc 180
aggccttcag ccagtacggc gagatcctcg acgccaagat catcaacgac cgcgagacgg 240
ggaggtcccg tgggttcggc ttcgtcacgt tcggcagcga ggagtcgatg cgccaggcca 300
tcgaggagat gaacggcaag gagctcgacg ggcgcaacat caccgt 346

<210> 7920

<211> 310

<212> DNA

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<400>	7920
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<210> 7921

<212> DNA

<223> Clone ID: uC-tsrow189027e08b1

<400>	7921
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<210> 7922

<211> 382

<212> DNA

<223> Clone ID: uC-tsrow189027e09b1

<400> 7922

3324

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caattatcgg tgatgaatta actgcacaaa ggaaaaagaa catcgccgaa cttgaaaaac 180
aaaggaaaga attattagca aataataatg caaatccttt tcaggcagat gaaccatttc 240
aaataaaaag ggagcaaaac cctccaaaaa tgcactgcga agatccacca tcatggattc 300
acgaacaagt gaagttgatg taaaaagaaa attaggggga ccatcagcca tgttgaacat 360
gcccgtaaga agttaggagg cg 382

<210> 7923
<211> 221
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e10b1

<400> 7923

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cgacctccgc gccaaaggtgt caagcttcgc gctggcgcggtcgcggtcccca cgggcggttga 120
tggcggcgac gcgcagctca cccgccacgt cgttggcacc caggggtacc tggccccgga 180
gtacctggag cacggcctca tcacgcccaa gctcgacgtt t 221

<210> 7924
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e11b1

<400> 7924

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cttttgccta tgtcccaaag ggaaattaaa tagaaattca acatctagta ctccatttga 120
cttttaaagc gtaacaacat ttgagtcata cttttggttg tgattcttgt tgcttcgatt 180
cgatttgact tttttttgaa gtgtaacaac atttgagtca tacttttgggt tgtgattctt 240
gttgctttga ttcgatttga cttttttttg aagtgtaca acatttgagt catacttttg 300
gttgtgattc tttttttctt tgatttgatt cgactttttt tagcttatga acattcaagt 360
aagatttgtt tcttttgatt tgactttttt gttattaat 399

<210> 7925
 <211> 310
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189027e12b1

 <400> 7925

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 cgactgttct tccggagcat ggcaagctgg agttcatgac cagggtccggg atcctaactg 120
 ccaagaaagt ccctgcacca gggagcactg gcgtcccagg tgaggagcag gggaagctgt 180
 ttattgagct ggatttcccc atgattggtt ttctggactg caaccaaagt ccgtcgattc 240
 cagagaccct aaacggtgcg cccattgtca gcgttcacaa atcgggtacc gacggcgacc 300
 tcattgtgga 310

<210> 7926
 <211> 268
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189027f01b1

 <400> 7926

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 caccctcgcc ctctgtggcca ggggtctccgc cgtcggcgtg gggctcgtct acggctccgt 180
 gaagctcggc atgctgaaga tgaccaagcc caaggaggaa gcagctgatg ctcatgactg 240
 aggacaagta gtcacagcga gttgacgc 268

<210> 7927
 <211> 250
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189027f03b1

 <400> 7927

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 cggaccaagc cggaccggga gcggaagctc agcgccaggt accaggccta cgacaactag 120
 gagctgccgg agaccgtcga ctggaggaag aagggggccg ttgctgcat caaggaccag 180
 ggcggctgcg ggagctgctg ggctttctca gcaatagcag ctgttgaagg catcaaccag 240
 attgttacgg gcgacatgat ccctctgtcc gagcaagagc ttgttgactg tgacacttca 300
 tacaacgagg gatgcaatgg aggtctgatg gactatgcgt ttgagttcat cattaacaat 360
 ggcggtatcg actctgagga ggactacc 388

<210> 7931
 <211> 308
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189027f08b1
 <400> 7931

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 caagaacgag tggggaaacg ccctctaccc cgtcgtcccc gggcatgaga ttgttggcgt 120
 cgtcaccgac gctggccccg gcgtaagaa cttcaaggcc ggggacacgg tgggcgtggg 180
 ctacttagtc gactcctgcc gctcctgcgt gagctgcggc agcgggcacg agaaccactg 240
 cccacgcgtc gtgctcacct ccaacgccgt ggactacgac ggcgccacca ccaggggagg 300
 gttctccg 388

<210> 7932
 <211> 264
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189027f09b1
 <400> 7932

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 gcagcgccac cttcaaggat gccatgaggt acctctggat gccccacctc gtcgagcgca 120
 tccacgccgc cgtcgtcacc gccggcggcg accccacaat gggcgacacc tcgtgcgcgt 180
 caggagtcac gtcgatggcc gtcaccgcca ccacatatcc cgacaacaac tctcccgcga 240

<210> 7933
<211> 232
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f10b1

<400> 7933

tcggagaccg ccccgactga cattagaggg ctgctgaaca cgctgccgca attcagtggg 60
tcaggaggga tgttcctttc ttactgcatg gtgttcacca tgctcgtcat gccgcagcct 120
gactggagag tcatgcttgg ggttttgctg ataccgtcgc ttatgtactt tgcattgact 180
gtcttctatt tgcccagatc gccgagatgg cttgtgagca aaggaagaat gg 232

<210> 7934
<211> 233
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f11b1

<400> 7934

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agtgtggagc acgtgctgc tacctgggtca tgctctcagc agtgtgaatc tccagaagca 120
tgcttgccgt gccttcttcc ggggtgcaccg gaggtgggca tgtgagcagg ggtgcttcag 180
tgacgcagaa gaaaaaaggc aagtcttata ggcaaggga ggctacgcct ttc 233

<210> 7935
<211> 238
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f12b1

<400> 7935

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ctttccttct gatcgtggtg gcagtttagca ccacggccat ggtgcacggc caccctgccg 120
ctagcactcc ggcggcacgg ttctgggagc aggcctctc cggcacgcct atgccggagg 180

tgctagctga ttttgttcag aaaggaatcg atctgtcacc gcttgtggag cactactc 238

<210> 7936
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027g02b1

<400> 7936

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aagacacaat ccttaagaaa tatgatggca ggttcaagga cattctccag gagatctatg 120
aagctggctg gaaatccaaa tatgaggctg ctggaatatg gtatgaacat cgtctcatcg 180
atgacatggc tgcctatgca ctttaagagcg aaaggtgcta tgtttgggct tgcaagaacc 240
tatgacggaa atgtgcaaag tgatttctta gctcaagggt tgggctcttt gggcttgatg 300
acgtcagtat tgatgtgccc tgatggtaaa accatcgaag ctga 344

<210> 7937
<211> 240
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027g03b1

<400> 7937

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caaataacgt tctatttggg gtgaacattg atgggtcaact gggcttacca cttaatgcag 120
atgccttgat tgccaatagc attgaaaatg ataaattcat ggatgagatg gctggaaatg 180
gcattttctaa ctacatttca tctaaggatt ctcaacaaga gttatcatct tcaatgattt 240

<210> 7938
<211> 242
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027g04b1

<400> 7938

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ggggtgcacg cgaagccggc tccacgcagc gtcctccttt cgccaccacc acgtccccgt 120
 cctccctccc ccacccaaaa cccgcctcat ccccggtgtca aaacctccga gctcgccaca 180
 gcgatcgcca gctcgctcgc cccacgcccga cgcccgcgac cgcgaggctg acccatggag 240
 ga 242

<210> 7939
 <211> 112
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189027g08b1

<400> 7939

ttactgcgag aggagtggcc gggaggaaga ggggaggagt gagccggacg gacgcacgcg 60
 gaggcgacgc gagcagcagc ggtcacctcg cgcacgcatt cggccgtaca cc 112

<210> 7940
 <211> 327
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189027g09b1

<400> 7940

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 ccgtggtgcc caaggagagc tgcggcagga cggtcggcat caagaaggcg ctcgtcttct 180
 actccggcag ggcgcccagg ggcgtcaaga ccgactggat catgcacgag taccgcatcg 240
 tcgaagccga ccgcgcaccc ggcaagaagg gatccctcaa gctggacgaa tgggtgctgt 300
 gccgggctgt acaacaagaa gaacaac 327

<210> 7941
 <211> 383
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189027g10b1

<400> 7941

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 ccgcccctac gcgccctcct ccgccgacga ctacgaccgc ccctaccgca acgagatcgt 120
 gccctacggc gaccgcccga tcgacctcgt cgtcaagccg ccgccgcca ccagggtccc 180
 gccgccgccg ttgcccgtca ccaagagcgg aggcggaggc gggataggct ccgcctgggtg 240
 cttcagcgac ccggagggtga agaggcggcg tcgggtggcg agctacaagg cgtactcggc 300
 ggaggga aaa gtcaaggcct ccttcgcccg gggcttcgc tg gatcaagg acaagtgcac 360
 gggcttcac catggctgaa tcc 383

<210> 7942
 <211> 299
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189027g11b1
 <400> 7942

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 accacgtggt gctggcggag ctcaagtccg ccgtggccag ggccgacgtg ttccacctcg 180
 tctcggggat gtggctgccc gccgccgagc gctgcttcac ctggattggc ggctcccgcc 240
 cgtcggacct catcaagggt atggcgcggc atatggagcc actgacggag caacaggcg 299

<210> 7943
 <211> 331
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189027g12b1
 <400> 7943

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 ccgtcatggg gcagaacctt gccctcaaca ttgcagagaa aggttcccc atctctgtct 180
 acaacaggac cacctccaag gtcgatgaga ctgtccagcg cgccaagcta gaaggaaacc 240
 ttcccctgta cggtttccat gacctgcat ccttcgtcaa ctccattcag aagccacgcg 300

331

<400> 7944

<400> 7945

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<211>      275
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<213>      Triticum aestivum
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<223>      Clone ID: uC-tsrowl89027h03b1
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gccgcccggtg cggtcggggc cggggctgag ggcgcggatg ggtcggatga agaggaagac 180
gggttcgagt tcgagattgg gaccctgggg aaatttatga agcctcaggg gactgtaaat 240
gtctcggcta cgtacaatac atggcaccac actgt 275

<210> 7947

<211> 231

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027h04b1

<400> 7947

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gaaatacgac tatatttcat catcctgctc ttggtgattt cgaagtgcag catttacctg 120
ttgttggtaa tgatgctgaa cttgaagagc gtatactgca acacctagct gctgctgcag 180
caatgggaag gtcacaccaa catggcagaa gagaggggca gaggaaccga t 231

<210> 7948

<211> 340

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027h05b1

<400> 7948

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acaccaagga accatgcgtc catctcggga cctccggctg gccgcgctcg tctgtctctt 120
ctcggcctcc gtcctccacc cagcagccag agcccagcag gagaccgacc aggaggagga 180
gttcagctac tcgctggacg cggagaacgg gccggcgcac tggggcgaca tcaaggaaga 240
gtggtcggca tgcggcaagg ggaatatgca gtcgcccatc gacctcgcca gcccgcgct 300
gtccctcgtg cgcggcctcg gttacctcaa ccactcctac 340

<210> 7949

<211> 227
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189027h06b1

 <400> 7949

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 gctgtaatgg aagaaaatca aatggcggac ctggtttggc cataacttgag gttggtttat 120
 cagccgcccg aggaatctgc gcggcgtcgt cgccgcgaac agtactcgat attcaccatc 180
 atggaggctc tgaggcaaat gattcttgaa ccaatcgttt acgacac 227

<210> 7950
 <211> 269
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189027h07b1

 <400> 7950

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 acacagctgt caggccagtc aaccttggcg cacagcttgt acctacccca tgtgtcgtgg 120
 cgcacctggg tcccaccgca tccacgcttg gcggtgccgc gtccccgtcc gagctcgtcg 180
 ccgcctgtc cctgcccgcc tccaagctgc cgttcctcgc ccgcctgctc cgccagctcg 240
 ccacggcggg gcgtcttcac ctccaccga 269

<210> 7951
 <211> 381
 <212> DNA
 <213> *Triticum aestivum*

 <223> unsure at all n locations
 <223> Clone ID: uC-tsrow189027h08b1

 <400> 7951

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 cgatggaggt catgggcctc atgctcggcg agttcgtcga cgactacacg gtcgtggtgg 180
 tcgacgtctt cgccatgccg cagagcgggg caggggtcag cgtcgaggcc gtcgaccacg 240

tcttccagac caatatgctc gacatgctca agcagaccgg caggccagaa agngtggtag 300
 ggggtggtatc actctcatcc tggttttggt tgctggctat cgggtgttga tatcaatact 360
 caccagagtt ttgaagcttt g 381

<210> 7952
 <211> 298
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189027h10b1

<400> 7952

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 acagctgcag ccgcaacaag gagaagaggc ctccgctcaa gagaggccag ctcaagctgc 180
 agatcgccag gactctgggc agcctcgtgg tgccggggcg caagagcagc ttcagcttca 240
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<210> 7953
 <211> 300
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189027h11b1

<400> 7953

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 gcgagcgagc taggctcgga ggtgagcgaa aatgccggtc agcaggatcg ccgtggggag 180
 ccaccgtgag gtgtacgagg tgggcgccct caaggcggcg ctgccgagt tcatctgcac 240
 gctcatcttc gtcttcgccg ggcagggctg cggcattggc ttcagcaagc tgagccccga 300

<210> 7954
 <211> 216
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028a01b1

<400> 7954

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cgccgccggg aaacggggat cactttgttg gtgggacttg agacgggcag aatgtcttca 120

tcgcctccgg cttcgacggg ggcggacgcg gcggcggtgg gtcacccgtc gcagctggcc 180

atcagcaacg ggggtgctgct ggcggcggtg atcttc 216

<210> 7955

<211> 312

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189028a02b1

<400> 7955

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ggcttaccta ggagtaacta ttaagaatgc tgttgccacc gtgcctgctt acttcaatga 120

ttcccagagg caggcaacca aggatgccgg tgttattgct ggtcttaatg tgatgcgtat 180

catcaacgag ccaacagcag ctgcaattgc ctatggctt gacaagaagg ctaccagtgt 240

cggtgagaag aatgtgctta tctttgacct ggggtggtggc acttttgatg tctccctcct 300

taccattgag ga 312

<210> 7956

<211> 408

<212> DNA

<213> *Triticum aestivum*

<223> unsure at all n locations

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tctcccagac caccacctc ccggccgccg ccgaggacgc ccggacctcc cggccggcag 120

caaaccaacc agccacctcg tgcgtgtttg aaaaatcatg gcgcagcggg atcacaagca 180

ggaggagccc acggagctgc gggcgccgga gatcacgctc tgccccaaca gctgcggctt 240

cccgggcaac ccggccacgc agaacctctg ccagaactgc ttcttggccg gcccggcgctc 300

cacgtcgccg tcttctctct cctcctctct ctcttctctg cngggcgtgt ccgcgccgac 360
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<210> 7957
 <211> 244
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028a04b1

<400> 7957

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 cctctgttgg aagcagatca gaacgggttaa ctcagtattc tccagggcag ggatcttcta 180
 gtgggaactt gcatcatcat atgagcccca ataagaggga atacacaaag acacttcatg 240
 cttc 244

<210> 7958
 <211> 182
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028a05b1

<400> 7958

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 atggttgact tcatccaggt ctccaatcc ccctctccg actcctacta cgtcgacgaa 120
 caggtgtccg ccatgcgcca gggcttcgcc agggcgctcg tcccctacta cccggtggcc 180
 gg 182

<210> 7959
 <211> 304
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028a08b1

<400> 7959

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gctgcgagcg gcggtgctgg ccccaagatc gaggaggtcg actaagttag tcgcttttat 120
 atagtgagaa atacactata caccatttta ttcagtcctg ggtgccaatc atatcacctg 180
 ggctggaagt tttgttgtag tttttgggtct gtagcatcac gagacttggtg tgtgtcgtga 240
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<210> 7960
 <211> 308
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028a10b1

<400> 7960

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 gcttcttcgc gcacggcgcc cgccagctcc gcgccgtcaa cccctccgcc gcctccatgg 180
 cctcgccatc cccgagctcc tcgccttcgc cgacgcgctc ctctctctcc tcctccaggc 240
 cggcgctcac cgcgtcgctc agctcgcggg agctcgactt ggacgccgac aaccagaaac 300
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<210> 7961
 <211> 311
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b01b1

<400> 7961

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 acgtgggggt gacggcagtg gacgtgcaga cggcgggcggc accggccgtg ggggtgacga 180
 ctgtggacgt gcagacggcg gcaacgccgg ccgtggacac gaagacgggtg gcgacaccgg 240
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<210> 7962
 <211> 354
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b02b1

<400> 7962

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 cccctgtcct tctcctgatt tggaggtgcc gcgcgtcagt aagaagaata ccaggaacga 240
 ggaatgggag gcgttgaaga cgggagttcg gacgcatgtt ccggccgcag cttcgcaatc 300
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<210> 7963
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 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b03b1

<400> 7963

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 gagtggacta atttgagtga cccggtcaat ggaatgcgta ctgtattgat tatcatggtt 180
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 ggtggactcc gaaagagggtt ggttgatctc cttgaaatgc tttaagaagc gagctgcac 300
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 cgacactact caagaag 377

<210> 7964
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 <212> DNA
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<223> Clone ID: uC-tsrow189028b04b1

<400> 7964

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gagatgatgt ctgcactgta cctccaagtc agtattgtga gccaggctct tatattcgtg 180
actcgttcac gtagctggtc ctttggtgag cgccctgggt tcctcttggt taccgccttc 240
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<210> 7965

<211> 222

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189028b05b1

<400> 7965

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gcagaggaca taccagcaat ggatgtgatg cggaaggctg acccatttgt tgtcctgtac 180
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<210> 7966

<211> 226

<212> DNA

<213> *Triticum aestivum*

<223> unsure at all n locations

<223> Clone ID: uC-tsrow189028b06b1

<400> 7966

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cagccatgtc ggtgcgtccg agcgagcggg ccgacgcgcg gcggaaccga tacaaggtga 180
ccggtggacg ccgatgagng ggcggcgggc gcgcgaggac aacatg 226

<210> 7967

<211> 387

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189028b07b1

<400> 7967

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gccatgccgc gatccggggc gtgatcccgc cggggattgc tggcccggga gggccgcggc 180
gatgaacggc gcgagcgccg gctccggctc cggcggcgag gggccgctgg tgtaccaggc 240
ctggaaaggg aacaatgtcg tttttcctcc aggggaggtt tatatttga cctgatgcga 300
gatccttggt tgtcaccatg ttcctcatta tcgctccagt aacagtcttc tgggtgtgttc 360
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<210> 7968

<211> 429

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b08b1

<400> 7968

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gatcaagaac aaaaacatca ctgtagatgt gaaggccaac tcagcatcga atgtcattac 180
tacaattact gctgacgatc ttgcagcacc agggctgaag accatcttga gctttgctgt 240
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tgcaagcatt ggcttgactg ccaatctgta gtcaacctct cgggcgcgtt cggaactagt 360
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<210> 7969

<211> 222

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b10b1

<400> 7969

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cgatcgatga tgatcgacga gatgagcaag tatgatctgg tagcagtatg agtttctccc 180
ctttgtgaag acaataagag ggagctagcg tctggctctg gt 222

<210> 7970
<211> 189
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b11b1

<400> 7970

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ctcgagccct gcctcgaccg atgcatccgc tcgtgggggc gctgctgggt agtgccgggg 120
agcggtggtg gtggccgtgc tggggcccgg cggcgcgcca cgccgggggg tgggccggca 180
cgctggcgc 189

<210> 7971
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b12b1

<400> 7971

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cgctcgccg ccgacgactc ctccccggga ggagcagcag gaggagagcc ggcaggccat 180
cgggtccccg gcgcggtcgg cggaggagga gatggcagcg ggtcttccgc aagttcgacg 240
ccaacggcga cggccggatc tcgcggccgg agctggccgc cctcttcgag agcctgggcc 300
acgcggccac cgaggacgag ctgacccgca tgatgttcga ggcggacgcg gacggcgacg 360

<210> 7972
<211> 268
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsrow189028c01b1

<400> 7972

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cgcttgcgca gtccctcctc ttcgccggcg tcgagcgcta ccgcctcctc gagtggctct 120
tcttcgggt gctgggcgac agatcgccat tcacgcagca gaactggcag ggggacagcc 180
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tgggtatcac gcctttcagt cgacactg 268
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<210> 7973
 <211> 302
 <212> DNA
 <213> *Triticum aestivum*

<223> unsure at all n locations
 <223> Clone ID: uC-tsrow189028c02b1

<400> 7973

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gatgtgtgct gccgaccac gccatggccg ctacctcaca gcctcggcca tgttccgtgg 180
caagatgagc accaaggagg nttgatgaac agatgatcaa cgtgcagaac aagaactctt 240
cctcttcggg aggtgggatc cccaacaacg tcaagtaagg cgtgtgtgac atcccaccac 300
gc 302
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<210> 7974
 <211> 321
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189028c03b1

<400> 7974

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ggaacgtcac caggtgcgtg gcggcgctgg aggaggccgg cgtcgagtac gagctcgtcc 180
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ccatcaactt cggcaccggc gagcacaaga gccccgacca cctcgccagg aacccttttg 240
gccagggtgcc agctttgcgg gatggtgact tgtacgtctt cgattcacgt gctatttgca 300
agtattgcgt gccgcaagaa c 321

<210> 7975
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c04b1

<400> 7975

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ctccaggact tttgtgtcgc cgacatgaat tcaccagtac gtgtcaatgg gtttgtttgc 180
aagaacccaa tggagggttaa cgttgatgac ttcttcaagg cagccaccct cgacaagcct 240
agggtgacca acaagggttg gatccaacgt cactttgatc aaacgtcatg cagattgctg 300
gactc 305

<210> 7976
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c05b1

<400> 7976

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caagtcccga gagaactact aatagctagc tggaaagatg ttttagagaa tttgtttgga 180
ggccgacagc gggctcgagt ctatctctgt ctacgaaca gggtggaacag gttcacgact 240
cgactgattg actgaatcgg agcaaacaat tcagcaaaca ccttatgggc agagcttgga 300
ctggcagca 309

<210> 7977
<211> 234

<212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189028c06b1

 <400> 7977

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 gtaaccatgt acttcacgcg aaggagatac ctcatagag gtgaatagtg cctaaataag 180
 actgactggt acactttatg gagctacata gactacaaag acgatgcgaa taat 234

<210> 7978
 <211> 304
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189028c07b1

 <400> 7978

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 gatggcgacg ccggcccgcc ggccgctggc gcagcagcag cagccgctga cgggtggactt 180
 cgaggcgctg agctacatca gcaggctcgt ggaggcgctc aggcgttcga ctacgacaac 240
 gacggcctgg tcacggcccc cgagctccgg ggctcctgg cctgctggg cctggacaag 300
 tcgg 304

<210> 7979
 <211> 423
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189028c08b1

 <400> 7979

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 ccgaggtgta cccgctgttc gcggcgacgg gcgtcgccat cggcatctgc gccttcagcc 180
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 att 423

<210> 7980
 <211> 377
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c09b1

<400> 7980

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 cggcgccccg cggcgggcgac ctgtacgccg tgctggggct cagcaaggag tgctccgacg 240
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 cctccagcgg gaccaagcgc ttggaggagg ccaaggaaga agttcaggga gatccagggc 360
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<210> 7981
 <211> 263
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c10b1

<400> 7981

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 agcaaaaaga aggccgtcga tccgttcacc aagaagcagt ggtatgacat caaggcgccg 180
 ctgctgttca ccagccgcaa cgctggcaag accctcgtgt ccaggacaca gggtaccaag 240
 attgcctcag agaggtctga agc 263

<210> 7982
 <211> 291
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c11b1

<400> 7982

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 gcgacgcgct ctcggcgctg cgccgcagcc tgcgggaccc cggcggcgctg ctgcagagct 240
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<210> 7983
 <211> 219
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028d02b1

<400> 7983

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 gcccatcgtg tgggccatgc gcacccgcgt cgccccgccg ccgcggtcgc cgggcccaat 180
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<210> 7984
 <211> 225
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsrow189028d03b1

<400> 7984

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 tcgacgagcg cgacgtcgtc gtcgacgccg gctgcgtccg cgccgtgctc ggggagctgg 180

tcctcacctt cctcttcgtc ttacnccgag tcgccgccgc catgg

225

<210> 7985
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028d05b1

<400> 7985

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caatcaagca ccaagggtgac gcatggattc cacttggttg aagggaaatc tggccatgac 300
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<210> 7986
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028d07b1

<400> 7986

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<210> 7987
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028d08b1

<400> 7987

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cttcggcggtt gctttagtat ctctcctttt atcttttatg gtctcttttg ccgtgccaga 300
aaaacaaagg gaggccatgc cgccactgt 329

<210> 7988

<211> 317

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028d09b1

<400> 7988

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gggaagtacg cgatcccga ctggaaggcc accgggttcg tgggggtactt cgagtgcggc 300
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<210> 7989

<211> 306

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028d11b1

<400> 7989

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<210> 7990
 <211> 248
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028d12b1

<400> 7990

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<210> 7991
 <211> 254
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e02b1

<400> 7991

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 aatccacgaa cagaagctgg gttgcgggag tacgggttcc gatgaagctg ccgcaatcag 180
 ccatatcccc tcaccggttg agccgtcgcc gtcagacgcc agttcgaatt cagacaccaa 240
 caccaccact gggg 254

<210> 7992
 <211> 109
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e03b1

<400> 7992

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<210> 7993
 <211> 297
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e04b1

<400> 7993

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 atccattgat ccattgattt gattgattaa ttgatccgcc accgccacca ccaccgccgt 120
 ggagaaagga gggatggcgg cggcggggcg gaaagggggg ccgaggcgga cgacgcgggt 180
 gggcccgtag gagctcggca agaccgtcgg cgagggcagc ttcgccaagg tcaagatcgc 240
 caaggacacc cgcaacgccg tcacctgcgc catcaagggtg ctcgaccgca accacgt 297

<210> 7994
 <211> 297
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsrow189028e05b1

<400> 7994

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 gaaaatcagc agcctgcttg atagatgttt atcagaatac gacatggagg ctatttattt 120
 tgatgaaggt gtcagaacat caaaaagaca tcaacttgag tctaaactct tgcagcttgt 180
 caatcctgcg taccaatctc ttcttggtca tttacggact agaactttag aagcattnca 240
 aagagtcctt tgatagggcc gttgaaaagg agggatttgc tggtgctgct cgcgatt 297

<210> 7995
 <211> 270
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsrow189028e06b1

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<400> 7995

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gagaaccagt cctcgtcgtc cgggcctccc cgacaccccg ggaaacaaag cgcctctccg 120
acatcgacag caaggagtct ctgcgggtgc tcatgccggg cgtcttcgtc taccgcggtg 180
gcccggcgcg cngggcgacga cgaccgggtg gacgtcatcg gccgagcgct gtccgaggcg 240
ctggtgcact actacccctt cgccgggcgc 270

<210> 7996

<211> 256

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e07b1

<400> 7996

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ttgaaccaga cgctctactc acacgggtgg gctctacgac atctagaagc gctgaccag 120
gaaacgccgg gctgcgtgac cgaagatcgc gcggctatcc cggcggcgcg cgcggccgctc 180
ggcaaccgga ccgacctggc catggtgcgg atgcaggccg acggccgtct cccgctggcc 240
gaccggagga actacc 256

<210> 7997

<211> 355

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e08b1

<400> 7997

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gtccggcgct gccccctcac cctgctcgcc ccggcccga cggccccccg gcggccgacg 180
ccctcctcg tcgcccgcgc caagcgcacc aataactcca ccgctgcccc gaagcgagag 240
gcggacgagg aggtcgaggt cgaggaggag ctgccgtgga tccaggacaa ggcgctggac 300
ctcgttcgag ttcaccggca ccgtcacgca ggccatccct ggcccccgcg tcggc 355

<210> 7998
 <211> 302
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e09b1

<400> 7998

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ctccggcccc cgtcctccaa gaacaagaac aagagcaaga aggaatccgg gagcacgagg 180
gaataaagcg gccggaggag accggaaagg ccgaggagaa aaaagctccg gcgacgatgg 240
agaagggatt ggatccggcg ctgctggaca acatcatcgc caggctgctg gaggtgaaga 300
gc 302
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<210> 7999
 <211> 388
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e10b1

<400> 7999

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aggtggagaa ggtcatcgtc tctgaccgtg ttgtggactc tccttgctgt ctggtgactg 180
gtgagatggg tggactgcca acatggagag gatcatgaag gcccgagcct tgagggactc 240
gagcatggct ggctacatgt cgagcaagaa gaccatggag atcaaccctg agaacgccat 300
catggacgag cttcgcaggc ggcgccgacgc cgacaagaac gacaagtctg tcaggacctt 360
gtgatgctgc tcttcgagac ctccctgc 388
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<210> 8000
 <211> 340
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e11b1

<400> 8000

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tcagcctgca tctagctagc gcagatgtcg ttccgcagca tagttcgtga tgtcagggac 180

ggttttcggca gcctgtcgag gcggagcttc gacgtgacca tctccggcct ctccggcctc 240

accgggcacc acagggccaa gtgccagagc acggtgcacg agctccgcga cgccgatctc 300

atagtccagg agagccgctg ggctagcctc cctccggagc 340

<210> 8001

<211> 323

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e12b1

<400> 8001

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cgacaagggc tggttcgaca tcggcatccg gcgcggtgtt ctcaccaagc atgaccagca 120

gaagaggctg ctcatcaagg ttaccggttc tectaaccgc ctctacaaat tattttttca 180

accctgtcat catgtgtgcc ttgccgtggg ccatgttttc gacgcgtggc gttggcatgc 240

caggctagga caccagcact ttgacgggct gcagaagatg acacgaggca accttggtca 300

tgggctacct cacataaagc acg 323

<210> 8002

<211> 286

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f01b1

<400> 8002

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ctgcacaatt tactgatgct atgggtaatg agatattcac ggtccgccgg ccatttttgg 120

tcatcaacag ctccatttat gcagaagtgg atggcaagga ggtaggtgta gtccacaggc 180

gctggcatct ttggcgtaga atttatgatc tgtacttagg gaacaagcaa tttgctgtgg 240

ttgagaatcc tggattttgg aactggactt ttaccctgga ttgatg

286

<210> 8003
<211> 238
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f02b1

<400> 8003

taaatttccc aatctcctcc cgcactcaac ccaatcccca cctacccgca ccccatggcg 60
ccgaaggcgg agaagaagcc ggcggcgaag aagcccgtgg aggaggagcc cgcggcggag 120
aaggccgaga aggcgcccgc cggaagaag cccaaggccg agaagcgtct tcccgcggcg 180
ggcaagacct ccgccaagga cggcgacaag aaggccaaga agaagagcaa gaagagcg 238

<210> 8004
<211> 225
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f03b1

<400> 8004

tgtctttcgt actgttatct ggatgggaaa gaagcaagag tctgttgagg atgttcctg 60
tggtaacact gttgcgttgg ttggtttgga tcagttcatc acaaagaatg caaccctgac 120
aaatgagaag gaagttgatg cctgccaat cagggaatg aagttctctg tgtcccctgt 180
tgtgcgtggt gctgttcagt gcaaggtggc ctctgatct tccca 225

<210> 8005
<211> 299
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028f04b1

<400> 8005

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ctctcccta tctatacgcc cagagcagt atataagcag cctcgcttc taatcctcga 120
ggccacaccc gacccgagag caagaaaca gcaacgaagt ttctgtttcg agcaaggagt 180

ggtagagatt tcaaacgaga ggttgntcag ttaacccgag ggttgaggag ctgaaagaaa 240
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<210> 8006
 <211> 402
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsrow189028f05b1

<400> 8006

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 gaaacttctg tgcttgatgc tgttagaatt ttatctgagc acaacataag ggcggcgcca 180
 gtgcttaacc ctgaacctgg ggttccggcc gattggcagg gaggtatctt ggcatcatcg 240
 agtactcagc catcatcctt tgggtactag ataatgnctg atctcgcggc cgtagctctg 300
 tcagctggat cggcaactgc cgcangagtt ggaatgggcg ctggttggtgc atggggcgctg 360
 gcagcattag gtgcaaccgg ccccgagct gtcgtggatt ga 402

<210> 8007
 <211> 303
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f06b1

<400> 8007

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 ttccccagtt tcagccatgt gtaaggagaa gactcacatc aacatcgagg tcattggcca 120
 tgctgactct ggcaagtcga ccaccactgg ccatctgata tacaagcttg gaggtatcga 180
 caagcgtgtg atcgagaggt tcgagaagga agccgctgag atgaacaaga ggtccttcaa 240
 gtacgcctgg gtgcttgaca agctgaaggc cgagcgcgag aaggggtatc accattgata 300
 ttg 303

<210> 8008

<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f07b1

<400> 8008

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cagccccaat ggtctgatc agtcgctgtt ctacaattcc accagctact gggatgagtt 120
tgtgtggggc ggtgctgga tgtacttcgc cacggggaac acatcatacc tcaccatcgt 180
cacagctgca gggatggcga agcacgcggg agcgttctgg attggtagcc caaacttggg 240
agtgtttacc tgggatgaca ag 262

<210> 8009
<211> 323
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f08b1

<400> 8009

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cagatagcgc gatcacgcgc atccccgaa agggaatcgg gttaagattt cccgagccgg 120
catgtggcgg ttgacggcga cgtaggaag tccggagacg ccggcggggg cctcggaag 180
agttatcttt tctgcttaac ggctgccaa ccctggaaac gggtcagccg gaggtagggt 240
ccagtggccg gaagagcacc gcacgtcgcg cggtgttcgg tgcgcccccg gcgggccatg 300
aaaatccgga ggagcgagta ccg 323

<210> 8010
<211> 193
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f09b1

<400> 8010

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tactggctac tggtagcagc agctgacccg gatcgagagc gatgggggtgg gcgatcgcgc 120

tgcacggcag cgccggggac atcccgcgca cgctgccgcc ggagcgccgg gagccccgtc 180
tcgccacgct ccg 193

<210> 8011
<211> 376
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028f10b1

<400> 8011

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gcgacttggt tgttggtgcat ggaaggggcg gggagcggcg ggaagatggg aggaggagag 120
gggatggccg gccgtgccgg tgccggtgct gcgtgggcgg ccaaggagaa gaccggcttc 180
gccgccacct gcagcctcct gagccgctac atgaaggaga agaagggcgg cgactgcag 240
ggcctcgtcg gcctcgacat gtcgccgccg gctgccgtcg tcgatgaagg aggagctttc 300
cagccgcccc ccaccatgaa cctgctttcg gggctagagg agccaaacgc cgcncacgtg 360
gagctcccc tcgaga 376

<210> 8012
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f11b1

<400> 8012

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aagaaggcgc cgtgcgccgt ggtgtgcgtc caggagggc acatcacctg cgacaactac 180
cccgggcaga agctcgacgg gtgcgactgc cagtgcgcgc ccaaggacgg caagggcctg 240
cgtgctccac ctcaacagcg gctccaccaa ccagtgcacc accacgccgg agtactggag 300
atgaatacat gcggttcgtc attgctggct 330

<210> 8013
<211> 206

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189028g01b1
 <400> 8013
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 ggggacagcg agaggtgtag gcagcagcag cagccagcgg ggaggctggt tgtgggttgg 120
 cgtcgcgggc gggatggaga gcgagatgtc ggacgcgcag cccccggcgg ctgcggcgcc 180
 cgtcgccgag ccgctcgccg ccgtgg 206

<210> 8014
 <211> 168
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189028g02b1
 <400> 8014
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 aggagcccaa gaaggtggag gtggaggcgg cgccggagcc ggaggccgca cagccagccg 120
 tcccggccgc ggagcccagag gcccccgcca aggacgttac cgaggaga 168

<210> 8015
 <211> 220
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189028g03b1
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 ttctcattca gtttgaggat tgtgcaaacc acaatgcctt tgatctcctt gcacgatatg 180
 gaacaacca cctggtattc aatgatgaca ttcagggaac 220

<210> 8016
 <211> 262
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189028g04b1

<400> 8016

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acaaggattc cttctgggga ggtctgggtt ggtaatcctg ccaagttcct aaggaagctg 120
acagaggagg agatcacatt catcgcccaa tcggcagcca actacatcaa cttagctcat 180
gttcacgcca ctgagaattc caagagcttc gatgagattg agctcgagaa gaaactgagg 240
aaggaagttt gtcacaaaag at 262

<210> 8017

<211> 234

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g05b1

<400> 8017

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aaaaggacaa ccaacccgga gcgacgcagc caggcagggg tgaagagaag agaagagagg 120
agaaggagaa aaaaaaaggc atagggcatca ttccagcatc gggttctacg gaggaggtgc 180
cggtttggac atctgatcca tttggagggg tattgaccgc ttcagagcca gagg 234

<210> 8018

<211> 245

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g06b1

<400> 8018

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tgatcgttac ggtggcaaca caaggctgta cgtgggtcgt cttccctcgc gcacccgcac 120
aagggaacctc gaagacctct tcggcagata tgggagagtg cgacatgtgg atatgaagca 180
cgagtttgca tttgttgagt ttaagtgatc ccagggatgc tgatgaagca aggtacaatc 240
ttgat 245

<210> 8019
 <211> 369
 <212> DNA
 <213> Triticum aestivum

<223> unsure at all n locations
 <223> Clone ID: uC-tsrow189028g07b1

<400> 8019

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 ggacgccagc ttcccgggcg cgaggccga ggcctcatc cgcgcgctca acctgctccc 180
 ggggctcct cgggccgcgg ctctgctggg gcgggggacg tcgccccgg gcagctgctg 240
 gagcgccggg tcacgtccc cggtctgcc gagggcgctg gcgacctcg ccaccacgcc 300
 ggctactacc gctncccaa caccacgac ccagggatgt tctacttctt cttcgagtcg 360
 cggggcaag 369

<210> 8020
 <211> 258
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g08b1

<400> 8020

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 tcccaggatt cgcttattga atcgattgta tgcaaagaaa cggaaagaac tacaggagcg 180
 ccagaaacta aaggatattc aggtacagca agagcaaaag gatgagcggg ctttggacga 240
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<210> 8021
 <211> 248
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g09b1

<400> 8021

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catccatggc ggcgataggc ggccaccctt actcgccaag tgacctggag ctccccggtt 120
tcgtgccgca gcagctttca cccatcgaac tcgtggtgcc cctcataggc acttctctct 180
tggtcatcac gggtgatctg gcttgtctcc ggccatgtcc tcaatagtgg aagaccagc 240
agactatc 248

<210> 8022
<211> 90
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g10b1

<400> 8022

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aaaaaaaaaa aaaaaaaaaa aggggcggcc 90

<210> 8023
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g11b1

<400> 8023

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gtgcgcgccc ctctctcga gatcttctcc gagttcctga gatctggttg taagcagcca 120
agatggtgaa gatctgctgc atcgagctg gctacgtcgg cggcccaacc atggctgtca 180
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gcacggggaa gaacctcttc ttagcactga tgttgagaag catgt 345

<210> 8024
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g12b1

<400> 8024

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gaattagtag aggttccaaa tgggtcggaa catggtgcag aacaggtggt tggagtggcc 180
aagtcaggag aggttattgg agaaattggg gttctttgct ataggcctca attattcact 240
gtccggacaa gatccttatg tcagcttcta cggatgaatc gtacggactt tctcagcatt 300
gttcaatcca atgttggaga tggaaactatc atcatgaaca acc 343

<210> 8025

<211> 156

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h01b1

<400> 8025

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gtttgatgtt attgctgtga aacttccctg tacaagggtg gctggttggt caagagatgt 120
tgcaaggctt catttgcagc tctctgcggc aaaact 156

<210> 8026

<211> 72

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h02b1

<400> 8026

tatcttttga gctgctagga tgaggttggc agccactgag aaagcggag cggagaagat 60
actccagatc aa 72

<210> 8027

<211> 191

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h03b1

<400> 8027

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 gattgatgac ttctcatcac tgcttaagac tggagctaag agagcaacat ctggcccttt 180
 tcaactgctct g 191

<210> 8028
 <211> 370
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189028h04b1
 <400> 8028

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 gagcctggca tgaccggtc tatccctca acggtgcgc atatctcgg cactacagat 180
 ggcgtacaag acatcaatgc tgccatcaac atgctaccga aaaagctgcg caccttgta 240
 gttctgagaa ctggttcttt ctctcatat tgcttcaag gagacttctt agcgaagctc 300
 aagacttggc ggggtgctga tattagccac tctgattaca ctgaattgcc aatgtccatt 360
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<210> 8029
 <211> 141
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189028h05b1
 <400> 8029

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 accaagaagg agcaggggtt atacacctac tccgacaacc agactgggtg gtcatacaa 120
 gtgtttgagg gtgagaggac a 141

<210> 8030
 <211> 349
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h06b1

<400> 8030

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ggcgcagggc ggcggcgcgg acgagaagga ctacaaggag cgcggcccg ccccttctt 180
cgaggccggg gagctcacct cctggctcct ctaccgggcc ggcatcgccg agttcctggc 240
cactttctc ttcctctaca tctcgggtgct caccgtgatt gccgtggtgg gcaaccgcgc 300
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<210> 8031

<211> 315

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189028h08b1

<400> 8031

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tcatactag ctggcattgt gcaggcgtcg ctgtacgctc acatcagaac cagactggaa 120
gggatcatcc tgacttcacc agctgtgctg gtaaaaccag cacatccgat tgttggggcc 180
gaggcaccga tattctctat catagcacc atgttactat tcaagggatc acacaagcgg 240
ggcattccgg tgtatcgca ccccgccgtg ctgctggcga agtactctga cccactggtc 300
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<210> 8032

<211> 280

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189028h09b1

<400> 8032

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ggggacagcg agaggagaag gcagcagcag cgcgcgacgg ggaggctcat tatgggccac 120
atcggccagc ccgatatcca ggtcgataac gcctgctgag agctctactg cctcgagcac 180

ggcatccagc acgatggcac catgcccagt gataccacga gtcggagggt gcacacgatg 240
cgttcaacac gttcttcagt gagaccggtg cgggcaagca 280

<210> 8033
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h10b1

<400> 8033

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aaaactgagg aagcaaagggt ggaggagctt atcaaactctg tggctgattc aggtgccaag 180
gttattgtca gtggagcagc agttggcgat atggcattgc atttttgtga acgttacaag 240
ctaattggttc tgaaagtcag ctcaaagttt gagcttcgaa gattttgccg tactactggg 300
gctatagcac ttttgaagct tagccgacca aatgtggacg aattaggata tgcagactct 360
gttttggtgg aagaaa 376

<210> 8034
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h11b1

<400> 8034

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agagggcggc agaggccagg gcgagctcgt caaaaccgat cgtctcggcg gctccccagg 180
ttcagcggcg gaggggtgggt ggtaggcggg tggacgagct gccggatatc cttctacgcc 240
tcccgcgtct acttcctgct catcatcctc cagatcccgc tcttcagggt cccttgtaga 300
gcaggcacat gcactacacc tattcaaatt acatcttcac agttgggtctc aaatgagata 360
ttcccaccat ctgttggtgaa ggccatgctc taccctggag ttatagtgcg caacctcact 420
caagaatgag catgaca 437

<210> 8035
 <211> 279
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189029a02b1

 <400> 8035

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 cggctcgatt ctgccggctc tgaccccgcc aagcggccat gtcgaacagg tccatttgca 180
 agttctttgt gaatggtgct tgctttaaag gagactactg ccaattctcc catgactgga 240
 atgatcaacc aatgatgtg tgcacattat accagaacg 279

<210> 8036
 <211> 271
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189029a04b1

 <400> 8036

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 acaaccacac ggacatgccc aacttcgcgc ggctggtgaa ctcggcggac gtgatgatgg 120
 ggggtgcacgg cgccgggctg accaacaatgg tggctctccc gagccgcgcc gtgctgttgc 180
 aggtggtgcc gttcggcggg ctggagtggc tgaccgggt gacctataag gaccgggtca 240
 aggacttcga cgtgacctac atggagtaca a 271

<210> 8037
 <211> 319
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189029a05b1

 <400> 8037

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ggccggggtg gcgctgcgag ggggcgccgc ggagggggcc ggcgagtgcg ggaggttctc 180
 ccccgaccgg atggccctgc gcatggcccc gtgcatctcg gcggcggacg agccggactc 240
 ggcgcctcc agcagctgct gctcggcggg gcacacccta gggaagagcc ccagctgcct 300
 gtgcgccgtc atgctgttc 319

<210> 8038
 <211> 108
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189029a06b1
 <400> 8038

tacatgctgg gcaactaccc taccgcttgg tgctgaccgt ccgtcggaac ctgcaacagt 60
 gggaaactctc gccgggagcc ctacaccgcg gtcataaca tgctgctg 108

<210> 8039
 <211> 396
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189029a08b1
 <400> 8039

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 gcggcgccac caacctcgcc tctcccggcg cgccgagcgg agccgagcgc cgccggagcc 120
 ggcggcgggt ctgcgtcagg tccggcctcg tccgtcccgc ggaggcggcg gcagcgcagc 180
 gcgcgctcgc ggttggagct taatcttggg tctgaagct gtagtagggc tctgttatgg 240
 cggggtctgt cgctcggggg ttcttcccca cgccgggggc ttccccggct gcatccgcca 300
 gaggtccaa gaacatgtct ggtgaattac ctgagtcttt gagtgtccgt gggatggttg 360
 caaagccgaa cacgcctccc gcgtccatgc aagtca 396

<210> 8040
 <211> 345
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189029a09b1

<400> 8040

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agctctgcaa ggtcaggtct gtccagtttg gccagaaggg tatcccctac ctcaaacacct 120
atgatggccg caccatccgc taccagacc cactcatcaa ggccaatgac accatcaagc 180
ttgacctgga gaccaacaag attgtagact tcatcaagtt tgacgtcggc aatgtggaca 240
tggtgactgg tgggcgcaac actgggcgtg ttggtgtgat caagaacagg gagaagcata 300
agggaacctt cgagaccatc cacgttgagg atgcccaggg ccacc 345

<210> 8041

<211> 408

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189029a10b1

<400> 8041

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ttacaaatcc ccggaagcct atgattctgg ctgttgcccg tccatatact gaaaagaata 120
taacaacact tgtaaaggca tttggtgagt gccgaccact gagggagctc gcaaactctca 180
cactaataat gggtaaccgt gaggtatatt caaagatgca caacacgagt gcttctgtct 240
tgacatctgt gcttacacta atagacgaat accatttgta tggtaagtgc gcatacccca 300
agcatcacia gcactctgaa gttcctgaca tataccgttt agccacaaga actaaggggg 360
cttttggtta cgtggcttat ttcgaacaat ttggtgttac cttgatag 408

<210> 8042

<211> 224

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189029a12b1

<400> 8042

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ctcgggcgaa cccgtgctct cttcaactt ccacggcctc ttcgacttcg agccggtgca 120
ggagtcaaag cccgagggcg agacctggga ggagcagttg aggagccaca ccgacacgcg 180

ccccgcggc ccgcagtcga tcaccttcga cgtctgcttc tatg

224

<210> 8043
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029b01b1

<400> 8043

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gtggccatgg actactcggc caccagcaag cgcgcgctgg agtggggccgt ccgcaacctg 180
ctccgccggg gcgacaccgt cgtgtgtctc cacgtgcagc gccacggtgg ggaggacgcc 240
aagcacgccg tctgggcaa 260

<210> 8044
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029b02b1

<400> 8044

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accatggagg caaccacca ggagcagcgc aggggtgagg atgtggttca tcctctgaag 120
gttagccttg aggaactgta caacggaaca tcaaagaagc tctctcttgc ccgcaatgtg 180
ctctgctcga agtgcaatgg caaggggtca aagtccgggg cttcgatgaa gtgtgccggc 240
tgccaagggtg ctggttaciaa ggtgcagata aggagctgg gaccaggaat gattcagcaa 300
atgcagcagc cttgcaatga gtgcagggga agtggggaga ccatcagcga caaggatcgc 360
tgtgggcagt gcaaa 375

<210> 8045
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029b03b1

<400> 8045

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taaattctca aaaggtgatg atcatgtcaa aactagatca tgttgcgctt gaattgcaga 120

aacttgagga tgagaggaaa gaggctaatt tggagcgtga aaagagagag caagagctgt 180

ctgagataaa aaacaccatt gaagccctta ataatcaacg agagaagctg caagagcaaa 240

gaaagcttct acattcagac cgagaatcaa taacagaaca aattcagcaa cttgatgtgt 300

tgaagaact gaaaagcgat tttgagaaca agcaactgtc tttgatagag tct 353

<210> 8046

<211> 300

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189029b06b1

<400> 8046

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aatccacccc tccggaatca ctccagtagc cgcagccgca gacgattcat aggtttcttt 120

ttcagtactt tctttaccaa gcaaaccxaa ttcgccgaca ccacttagga ttcagattag 180

aggcggggaa aagcggaaaa agcagatgga gaagacgaca gggatggcag gctcccagcc 240

caccgacacc gagtcgttcg agtacatgct gctggagaag gaccccgacc actaccggac 300

<210> 8047

<211> 262

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189029b10b1

<400> 8047

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agggtttccg atggagcccg cggccccctc cgcgtactcg gtctcgccgg ccgcgtcgcc 120

ggcggggagg cggaggacgg cgccggaggc cgcggagctg aggggtgcggc ggcggacgct 180

cgagaccgtg ctcgagcagt gccagcgcgc gctcgagctc atgcgcgacg ccgaggggga 240

ggacggggat ccggaggagg ag 262

<210> 8048
 <211> 180
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189029b11b1

 <400> 8048

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 aaggcggcgg cggcgacggc gacgactaca gcggcggcga cggcggcggc ggaggggccc 120
 ggggaggtga accacgcccc cagcctggag cagtggacca agcagaccga ggaggccaac 180

<210> 8049
 <211> 332
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189029b12b1

 <400> 8049

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 aagaaggacg aaggcatata caacaattga acatagagac cgagaaggcg aaaacaaaag 120
 cggctcgggc ccggcccgat cccggatctt cgccgccggc gacgccggtt ggagaggtga 180
 tgggggaggt gcgcggtgct ctatagcagc tagtaggtgt agttctagtt tttccttaga 240
 ggagtttggc ctagtgccgg agattggcgt catgccgatg aggattttgc tgccggcgcg 300
 cccgagccgc gttcgggtggt tcctggcgat ac 332

<210> 8050
 <211> 305
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189029c01b1

 <400> 8050

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 cggaactgg tgaaggggct ggccaagccc gccctgcct ggctcaaggc catggagcag 180

gcacctccag tcacattccc tagaactgat ggtaaaatcg agaagataga actgccagag 240
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 aagat 305

<210> 8051
 <211> 276
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189029c02b1

<400> 8051

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 gtcagggcgt atgtggcgga gttcatcgcc accctcctct tcgtgtttgc cggcggttggg 180
 tccgccattg cctatgggaa actcaccgat gatggcgcg cgcacccggc tggccttgtg 240
 gcgatcgca tcgcccacgc cttcgccctc ttcgtc 276

<210> 8052
 <211> 401
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189029c06b1

<400> 8052

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 gcaaaggcca caagccctct ctggtctgtt gtttgaggag caatttgcaa atgcttatac 180
 gataaatatt ttccagaagt tccaggatca gttaaagcag ctgatgaatg tgacttgac 240
 tgaagtcagt aggaatggat cgatagtgac ctacactgtg accgtcattg ggaaggagag 300
 gaagtttgac tatagagtga tgtataatag tgccgagaaa gaagtgtggt gtatctgcag 360
 atccttccag tttaaaggta ttttgtgtag ccatgctctt g 401

<210> 8053
 <211> 274
 <212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189029c08b1

<400> 8053

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gcggcgagca agggcgcgat ggcgtccaag aggatacaga atgagcttaa ggatctgcag 120

aaggaccccc ctacctcatg cagcgcaggt cctgtgggtg aagatatgtt ccattggcag 180

gcaacaataa tgggcccatac tgacagccca tattctggtg gagttttcct agttactatc 240

cacttgccctc ctgattattc tttcaaacca ccaa 274

<210> 8054

<211> 257

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189029c09b1

<400> 8054

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tcgcctccgg agaggtcatc ttcgaggagc gattcgaaga tgggtgggag actcgggtggg 180

tcaaattccga taggaagaag agcgaaggga aagccggtat gctcaagcac acggcaggaa 240

aatattctgg agatcct 257

<210> 8055

<211> 389

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189029c12b1

<400> 8055

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cttctctggt ctttttagcg gcagccagca ggaacacaca agaaattcag gtcccgttca 180

aggggtcctt cttctgggat tattagatcg gaagaagcgc cctcctcttg ctccgggattc 240

tcctgatttc ttgctaacct cactactctc ctaggaggaa cagagagatc cagagaacct 300
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 gggttctttt gcaataacct tctagttcg 389

<210> 8056
 <211> 300
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189029d01b1
 <400> 8056

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 aaggacgcgt cgggcatctc cgtggagctc gacgaggagg cgcgcccccg cgtcaaggcc 240
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<210> 8057
 <211> 408
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189029d02b1
 <400> 8057

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 gtggtggaag ccaataagga agaccgtgtg aggaaagcaa tggaggccca aacaatcatt 180
 acccaagaac tgaaacggtt cgaggcatgg agggactcac tggagacggt tccgaccatc 240
 aaaaagctga ggtcgtacgc cgacaggatc agggcatccg agctcgagaa gtgtctgcag 300
 aagatcgggg aagacaatct caacaagaag atgagaaggt ccatcgagga gctgagcacg 360
 ggcatagtga acaagctcct tcacggccca ctgcagcacc tgagatgc 408

<210> 8058
 <211> 198
 <212> DNA

3376

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029d03b1

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cgagtcctac aagggcttcg agggcctcaa cgcccccgcc cacgtcgacg aggggtgttg    180
ggccctcgaa gcccttgt                                     198
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<211> 397

<213> Triticum aestivum

<400> 8059

<211> 249

<213> Triticum aestivum

<400> 8060

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 acatggact 249

<210> 8061
 <211> 277
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189029d09b1

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 ccgcacctct ggacggcgcc ggcttcact cggcgacgtg cccgcagctg gagagcatcg 180
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<210> 8062
 <211> 405
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189029d10b1

<400> 8062

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 gtcggaggtg caccgggacg gggactacca ccgcgcggtg cacgtgtgga tctactgcga 180
 gagcaccggg gagctgctgc tgcagcgccg cgccgactgc aaggactcgt ggcccggcca 240
 gtgggacatc tccagcgccg gccacatctg cgccggggac tcctccctct ccttcgcgcg 300
 gagggagctc caagaagaac taggcatcaa gttccagtc gatgcttttg agctcatctt 360
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<210> 8063
 <211> 342
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189029e05b1

<400> 8063

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gatgcgccgc gagctcggcg aggaggagct caagaccgtc gcctgggccc agcgcaactg 180
cctgtactac aactactgcg ccgacggctg gaggttcccc aagggattcc ccggcgagt 240
cggaacgac ctatgatgaa ttgatgattc agtggttgta gcactagcag tacacctccg 300
agccgagatt tcattgatta atttcttcct ttgctacagt ac 342

<210> 8064

<211> 339

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029e07b1

<400> 8064

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tatcccagta gccgacaggg ggtttgagag cgtacagcgg ggtcaatcga tcgagcgcca 120
agaatggcgg cgtcagggag cgctcagagc cgactgttcg ccgcagcgtg cggcgttctc 180
agccgctgca tcaaggcggc ggacgcgcgg ccggcgccca cgggtggctct cccctcatg 240
cccgagcgg aagtgcgcgc gcaagacgag cacacggtgg gttctgcgcc ggggcacgcg 300
cagatgacca tcttctacgg cgggcaggtg ctgggtgctg 339

<210> 8065

<211> 388

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029e08b1

<400> 8065

gactgtccga gcaaggaaag gcaggagag atggcattga ggccgctcgt cgtgctcgcc 60
ctggccgagg cgctggccgg cgtggcgtg ggagggggcg cggccgaggg ggccggcgag 120
tgccggaggg cctccccga ccgatggcc ctgcgcatgg ccccgatcat ctcggcgggc 180

gacgagccgg actcggcgcc ctccagcagc tgctgctcgg cggtgcacac catcggcaag 240
agccccagct gcctgtgcgc cgtcatgctg tccggcaccg ccaagatggc cgggatcagg 300
cccgaggctg ccatcaccat cccaagcgc tgcaacatcg tcgaccgtcc cgtcggctac 360
aagtgcggag attacacgct gccttgat 388

<210> 8066
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029e09b1

<400> 8066

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tgctgcttca gcctttcttc accactgacc tcctgtacaa gcttgtgaag gagtgtgagg 180
ccatgctcga ccagctcctg ccatcaagca aaccatctgt atcaattgaa gagggaaaag 240
aagatggcaa cactgcggac cagcatctga accccagttc ttccttggct aacagcagat 300
gtattccgga gcttgatgag attgagttca tggagagcat gtacatgaag agcacggttg 360
cggcgcttag ggctctgaaa gagatccgaa gcaaaagctc cacagtcagt gctttctcgt 420
tgccac 426

<210> 8067
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029e10b1

<400> 8067

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cgcccgtgc caccgcaaga tcgagagggg gctcgacagg atcagagaga agggcgagtt 180
cgtcatcgac gacatcgagt acgatgagaa gaacaacaag gtgatcgtga agggcccctt 240
cgacgccgac aagctctccg acaagctctg ctgtaaggcc tgcaagatca tcaaggagat 300

cgagatcgtc gagccgccgc cgtcgtcagc gccggaggag cccaagaaag aggcgcc 357

<210> 8068
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029e11b1

<400> 8068

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tcgctgcctt ccaagagtgc cgctaccgtt ggcgaccaga ccagcagagg aacgccgctg 120
gcagaggatg aggagtcctt ccttctccac catgaagcac gcctgcttcc actcctcgcc 180
gccgaagtgc gatgctgctg cagatgcagt tgaaggaaag gggcgggcct caaggccgga 240
cctcaaggag atgcagcacc ggaacatcat caggctgcag gacgtggtgc ataacgagaa 300
ga 302

<210> 8069
<211> 314
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029e12b1

<400> 8069

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gcaagatggt gaagggacgc accggccagc gcgtgaggct ctacgtccgc ggcaccatcc 120
tcggatacaa gcggtccaag tcgaaccagt acgagacggc gtcgctggtg cagatcgagg 180
gggtgaacac catggaggac gtggcctggt acggcggcaa gaggatggcc tacgtctaca 240
aggccaagac caagagcaac ggcacccact accgctgcat ctggggcaag gtctctcgcc 300
cccacggcaa cacc 314

<210> 8070
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f01b1

<400> 8070

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ggcggcagca gctggttcat gctgcacatg atgccgtcct tgctgctcgtc gcgggcatcg 120
tccaacgtac cctcggagaa gggggacggc gacgaaagcg aggacgacga cgacgaggta 180
ctcatccccg gcctgccgac ccggttcacg ttcgtcgacc tggagacggc caccaacggc 240
ttcaagtggc agatcggctc cggcgggttc ggcttcgtgt accgcggcga gctcccggac 300
cggaccaccg tggccgtcaa gcggatgaac aacctgtgca tgcagggccg gcgcgagttc 360
ctcac 365

<210> 8071

<211> 259

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f02b1

<400> 8071

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tctagcatct ccggtgaagc aagcaagcag agagatggcg tcccctcgtc gcatggccgc 120
cgcgccccgc gtcctcctcc tcgtcctgct cctactcgtc gccacggaga tggggacgat 180
gaagactgcg gaggccccga cgtgcctgtc gcagagccac aagatcaagg gcacctgcct 240
cagcaacagc aactgcgcc 259

<210> 8072

<211> 247

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f03b1

<400> 8072

cggcgatgga ttctgagctg ttgtttgcgc gggagaagct ggattgggag cagcgggagc 60
ggatgcagcg cgctaaggcc aaagccgacc gcgagcgccg cgccaaggcc gaggccgcgc 120
gccgccgcga cgcgctcgag gcctaaaaca gggggcgccg cctcgacgcc gaccggggcg 180
aggaagaggc tgaccagaaa atggaagagg tgatgcaact aggaaagggg atcttttttt 240

cacacat

247

<210> 8073
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f04b1

<400> 8073

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ggctgattgt cattggaggc ccaaggactt ctattggtgg catcattgag ctttaattcat 120
gggttccccga tgggcaaccg cctgtgtgga atttggttgc cacacggcaa tccgggaact 180
ttgtgtataa ctgcgccgtg atgggttgct gagtccactg aataaagatt ggatgcagtg 240
gatatttatg aaggatgata gtatgcacaa aggagcccg ttcaattgct ccagccctga 300
ttcttcgtag cgatttatgc cttctgcca gttaactgga catctgctga gcggcagcac 360
tcatgtaacc cttgagttct aatactt 387

<210> 8074
<211> 141
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f05b1

<400> 8074

ttcatgctc cgcgagcgcg tgggtacaaa ctaagcagat gcacagctga gctgccggat 60
caccggcgca acgtacacgc ctacatcatg tatatacaga attacagtat attgttcaga 120
aaaaaatcaa caaattgtta a 141

<210> 8075
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f06b1

<400> 8075

cccgaatcaa gctgccatca gaccatatgt ttcaaattgc acggtgtgag cattgaatat 60

cccgaacacg tctgcagacc ggcgtaggcc cgctgatgcc ggggaagaag ttggcgcac 120
atcagcgctg catgatcaat cgttgcaggt ggggaactgtc ttcaaggcgc gcagatctcg 180
aaataggttc tcatccccct ctatagataa agcagcggtc aacacgcaca gatggttgaa 240
caacgctgag atcatggtca tggaagagaa catggaagac tcgggcggta ttagacactc 300
tcatacagat taatattgac cacctgctta attagttaat acattgtaac accccctc 358

<210> 8076
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f08b1

<400> 8076

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tcttcgacca ccgtcatgta gaggcgcggc gactggggct acgagaacaa cggcgggacc 120
tgcggtggcca tcgccggcgc ggactactgc ggggtcgcca gcgacacccg cctatccgtc 180
ggatacaaca tcctgacgcg cgagcactcc aagatctgcg agctggccga aaaatgtgta 240
atagcatctt ctggctttca aggtgacatc aaagctgtac agaagaactc agctgccagg 300
gaactgctat accaggacca gcacaataaa aggatgag 338

<210> 8077
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f10b1

<400> 8077

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gagaagcagc ggcggtggcg gaggcgggga gaagaaggat ctgttccacg tcgtccacaa 120
ggtgcccgcc ggcgacagcc cctacgtccg ggccaagcac ctccagctcg tggagaagga 180
cgcgagggagc tcggtcgtgt ggttctggaa ggcgatcaac tccggggaca ggggtggacag 240
cgcgctcaag gacatggccg tggatgatgaa gcagcaggac cgcgctgagg aggcgataga 300
ggccatcaga tccttcaggc acctctgctc caggcaggcc caggagtccc tcgacaacct 360

gctcattgac ctctacaaga aatgtggaaa agt

393

<210> 8078
<211> 333
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f11b1

<400> 8078

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aaacaaggct taaggaagtt aattctgttg ggatgaaaga ttgggctaatt attcagactg 120
atattgttgg tctaattata aagaagcttg gcattcctga ctacatcaga ttccgtgctg 180
tatgcacgtc atggaaccat atctgcaagg aagtatccaa ccatccaagg gtggacccat 240
ggctgatgct cccacaaaag cgccttgatg gtgctaagtt ttttagctta cctgaaaaaa 300
agactcaaac catgcatatc cgcagtgttg cca 333

<210> 8079
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f12b1

<400> 8079

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ggctctcggc tcgccacgcg gagacggcac gagccccgat gccgtcgccc cgccgcgccg 120
gcgcggggcga cacgagcgcc ttcttcgcgg cgacgctggt gctgtggggc gtgtcggtgg 180
ggttcgagat cggcgcccg ggacgccgcg agctggccgc cgtggccgcc ggcttcgcct 240
tcttcaggc cgccaacacg gccgtccgcg ccgcggtctc ccgcgaccgc ctcttcgtca 300
acaccgccgt ctgctgctc cactcctccc tcacctgcgc ctacgttata tttgttctat 360
tgtgccaatg gcgtacaaa ggccttgaga acatgtttca gcatgaagaa ttagttggta 420
gcagttggat tggagcatat tctgctctgt gcttttcat 459

<210> 8080
<211> 265
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g01b1

<400> 8080

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gagtgatagc tctaaagact cctcctatag tggatcatc ggtatcacca gaaaaagaga   60
aatgagaacc tgtggcaaga caaaggtagt gtcgccaggc cgccgtaccc ggtggcctgg  120
cgtggttggt tgcggtctgt tttcggattt tgggggggtt ttgagtaagt actatgtggt  180
gtgttcgagt gttgggtgag tggatctgaa agtgggttct agattggagc tgttttcgcg  240
tcttattaag attatattac aacag                                     265
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<210> 8081

<211> 217

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g02b1

<400> 8081

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agcggcgcac ccaccaacca cccccacccg ccgccatgag ggagagcatc tcgagccaca   60
acggccaggc cggcatccag gacgggaacg cgtgcaggga gctgaactgc ctcgagcatg  120
gcagacagcc tgatggccag atgcccgag acaagaaccg cgggggaggt gatgatgctc  180
tcaacacctc cttcagcgag actggggcag ggaagca                               217
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<210> 8082

<211> 360

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g03b1

<400> 8082

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ggtccgtcga cgtcgagggt ctcgacctgc tcggggccaa ggagatggcc gtgcgcgcct  120
gggacgaggc cctcaacacc cagcccagac gcctcatctg gaacctcatg ggcatgatga  180
acaactgctg gttccgggtc aagatcaacg tctgccgccc ccacaagggc gagatcggcc  240
tcgtattcga ccacccacg cagcccggga accagtccgg cggctggatg gcgcggcaga  300
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agcacatcga gacgtccgag accacgcagg gcacgctcaa gcggagcacc tgcacgccct 360

<210> 8083
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g04b1

<400> 8083

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aagatcattg agctccgagt cttaaagtaca gattgctgag gaacaatctc aaaataatac 120
acttcagagt gaggacagtg gaatttttgt tgggtgtgac gattccaaga gccttcagat 180
gagtgaagtt ttctcgtcaa ccatttctgc taatatgaat tcacttctgg aggtgttcga 240
gggtggttcg ttggagatga aagtcattgga aaaagttgga tgcctcaaat actcggctac 300
acaatgggaa tcagataaac ccgacgaata tcaaagacaa attcattaca agtttagcag 360
gaagttgtct cctgttggag gagaagtgcac tgggacccag ctgaaatctc ctat 414

<210> 8084
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g05b1

<400> 8084

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gggagatgct catggcgcgg cagccccgc agacgtgcac ctacccggac ctggagtacc 120
gagagcccgc gggcgggctg gagccggacc cgatgctcac gacgccccca ggcgacaagg 180
ggtgcgtccc cttcttcttt ggggcacggg ag 212

<210> 8085
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g06b1

<400> 8085

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 ggtgagctat ttgaaaggat ctgtggttct ggaagattta gcgagaatga ggctagggttc 120
 ttcttccaac aattgctttc aggagtttagc tattgccatt ccatgcaaata atgtcataga 180
 gatttgaaac tagaaaatac gctcctggat gggagcgaag caccgccgct caagatatgt 240
 gatttcggtt actccaagtc ctctgtgttg cactctcagc caaaatcgac cgtaggtact 300
 cctgcctaca tcgccccga ggtcctttct agaagggaat atgatggaaa ggtcgctgat 360
 gtttggctct gtggagtaac tctatatgtg atgc 394

<210> 8086
 <211> 328
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g08b1

<400> 8086

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 ggtgcgccgt cgaccttggc gtccccactg ccattcaccg cctcggcggc gccgcgtccc 180
 catccgaact cgtcgccgcc ctatccctcc ccacgtccaa gctgcccttc ctgcgccgcc 240
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 tcaaccgct ctctacctc ctggtaga 328

<210> 8087
 <211> 419
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g10b1

<400> 8087

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 ggcggaggag gaggaggact gctcgccctg gacgcctcgc cgcggcagct cggcttctctg 180
 aacttgctat caccggcgcc gttccacagg agcatggagg cggacgacgg cggcggtggc 240

ggcggcgga gggggaggag gtccatcgag gttgacttct tctccgacga gaagaagaac 300
atgaagaaga gccgcgcac gcccggtgct gacgcggagg accacaagga tcaggcctcc 360
gccgccgact cgccatcaag aaggaggacc tcaccattaa cctgcttacc gggaacaac 419

<210> 8088
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g11b1

<400> 8088

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cccgatctgg aagaatcgaa gagacatgag aatcgacgca tcgcctcatg cgcacccgcc 120
cctcccgatc cttttcggtc cagcatcgct agcagaggga tccccctgag agaggaggac 180
gagcgatcgg tcttgctgat ccgtcgggtgc gaaagggaag atgagggcat ctggtcgccg 240
cgactttgag gaccagggat cggtcagctt ctcggtcccg gcaagccgat gctctgcagg 300
aaacacaaag gtccgtcccg cccgccattg cggaccaggc ctcgggcacc gaccctcgat 360
ctctttcttc tcgtcattcc gggactcgca attcactgac gtcgacctta ctggccacct 420
ggcaca 426

<210> 8089
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g12b1

<400> 8089

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cctgaggcgg gatcccatat tgcgaaattg gagcacgatt cgattgagaa aggtctcctg 120
tatcacatcc cctccaagggt ggtgtgtccg gagcagcaga gtgtcgatgt gatgatgaac 180
gcactgcgcg aatatttctt ctatggtcgt gaggtcttcg aagagcgtcg cgagaaattc 240
ctggcagtga ttgtgaactg cggcttggtg ccgtacctca cggaagtgcc agcgtacgat 300
acacttggtg aacaatattt ggcacccagt gccaaagtatg ctccgggtgg tcggtgcgaa 360

caatgcagtg cttaggcgct gcgcgtgggg cctaccttat aaggtccctt c

411

<210> 8090
<211> 105
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h01b1

<400> 8090

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accctaactc tccgcctcga tctgtccgcg cgcaggagag atccc 105

<210> 8091
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h03b1

<400> 8091

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cgctccccc tcttgctgct gctgctgctt gtcttggtgcc tcttgggcca gtccaggatc 180

gccgtcgtcg ccaccaccc acaggatgcg gctgctctca aatccttgat gaggaaatgg 240

tcaaatgtgc ctgctagctg gaggaagaaa tcgaatgatc cttgcggcga caaatgggat 300

ggaattgaat gcaatggtgc caactcaagg gttacatcac taaatctttt tggcatgaac 360

atg 363

<210> 8092
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h04b1

<400> 8092

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aaacgcagta caagatccag ttccaggggc agcaacaaca tcagaatcag catcaacagc 180
 accaccacaa cgttgtcagg ccgaacgcca cctcgtgctg cggcggcaac ccgcctggcg 240
 ctgccgctcc cagcgcgccg gcggcggaac cgacgacagc cggatctttc ctgggcatgg 300
 tccagtagat ccatccatca ccccggtgac tagctctctc tctccccata cccaatcaa 360
 ttccatcggt ggctttctac cttctctttc tctctttctt ggaccatttg tatctaccta 420
 cct 423

<210> 8093
 <211> 315
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h05b1

<400> 8093

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 ggacgttgca tacagcggat gtattgtagc ttgtcgaaag gaaagtaaca cttggtttgt 180
 tgtacaggga tttatagaac ttttttgctt agatcaattt cactttgtaa gctgtatatt 240
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 ctgtgcgact cgttc 315

<210> 8094
 <211> 493
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h06b1

<400> 8094

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 ctgtgaccag ataaactttga tagatgagat gtatgaatag catggttgacc ctggtggatc 180
 ctctctagga gcccgtcgt gcctaccgag gaggtttagt actagtcctt ttctctatgg 240
 ggaagtaaaa tcagcaaact actctgctcc taatatgata gtatgatctg gtggaggagg 300

tgctactgga atgcatcttg ggagaacaaa tgggaaataa tgaaaggaag gaacccgcaa 360
gaaatatgct ctaaaaaaac catccatccc tgtgtttata ctagcatttg tgtcaagttt 420
atggtaacag gaggattagc aggctgcac tgcaatatgc acttcatact agtcgaaact 480
ctgaatctag ctc 493

<210> 8095
<211> 319
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189029h07b1
<400> 8095

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ccggcgggag aggggtactac tactcggcgg cgccgggtggg cacgggcatg ggcattggcc 180
cgctcgcggg ccagctcggc gagggtgctgc tccggggcgt gcagccgccg gcgcccacgc 240
cgtgcggggtc gcccggcggg ccccgatca ccgagccgtg ggtccggatg agggacggcc 300
ggcacttggc gtacgagga 319

<210> 8096
<211> 420
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189029h09b1
<400> 8096

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gtcgtctgac acgatcaaca atgtcaaggc caagatccag gacaaggagg gaatccctcc 180
ggaccagcag cgcctcatct ttgctggcaa gcagctagag gatggccgca ccctggctga 240
ctacaacatc cagaaggagt ccacctcca cctggtgctc cgcctccgcy gaggcattga 300
gatctttgtc aagacctca cgggcaagac catcaccttg gaggtggagt cctcggacac 360
catcgacaat gtgaaggcga agatccagga caaggagggc attcccccg accagcagcy 420

acctcggacg cgtgggcaag ctcatcgaag agattatgat tggggaggac aggctgattc 60
 atttctccgg ggttgcgatg gggcaagcat gcaccattgt cctgagagga gcaagtgagc 120
 atgtgcttga tgaggctgag aggtccttgc atgatgccct atgtgtgctt tctcagacag 180
 taactgacac gcgtgtcata tatggtggtg gatggcctga gatggtgatg tccaaggagg 240
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 gcgccctgca agccatccca acaatcattg ctgacaatgc tgctctggat agtgctgagc 360
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<210> 8100
 <211> 242
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189030a01b1

<400> 8100

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 agtcgtcgcc gtgaagaagc ttcggcccct cggcggtgcg gacgaagact atgagttcct 180
 gtcagagata gagctgctgt cgcggtgaa cactgccac gtggtgccat tgctggggta 240
 ct 242

<210> 8101
 <211> 147
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189030a04b1

<400> 8101

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 aacatatgga tcaaaggacc aaggaattcg caaggaagca tcaggatcct acgggctaaa 120
 aggtgaaagg gattttaaag aaatctc 147

<210> 8102

<211> 308
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189030a08b1
 <400> 8102
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 tcctcgccgt ccggccggcg cctgtcggag ctgctggagg agaggcagga gcccttcttc 180
 cttgacctcc acctcctgga gaagggctgc tcgggctggc tcctcgatgg ctatgacacc 240
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 accagcaa 308

<210> 8103
 <211> 393
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189030b01b1
 <400> 8103
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 agcttcacac cctgaactta agcaaagcga agatttgagg acatttttgc aggcatatga 120
 agagaaaatg gatagagcaa ggtcttttga gactgggata tttaagaagc cgggagattt 180
 catacagatg tttaaggatg tacagtcaaa agtcagcgat gttgttttgg gaaaagaaaa 240
 gccagtggaa gagtctactc ctgaatatga gaagcttaaa cattacatat ttgagctaga 300
 aaatcatcta gcagaggccc agaaacaagc atttcgcctt gtaaaaaggc acagagaact 360
 tgggcaatct ttggcggact ttgggaaagc gat 393

<210> 8104
 <211> 65
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189030b02b1
 <400> 8104

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cctcc 65

<210> 8105
<211> 133
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030b04b1

<400> 8105

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ggtctctaga gccggcggcc gaccacaagg cctcgtcac cttcggcaac cttctctcca 120
tctttctccg ggt 133

<210> 8106
<211> 150
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030b05b1

<400> 8106

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cctgccgttc gtctcggcca tccgcgaccg gctcgacttc tactacttcc agggccagga 120
caagtacttt gagtcccgcg tccacaagta 150

<210> 8107
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030b06b1

<400> 8107

gcaatcttgt ctacagcgag agggagatcc attccaaacc aaagtaccct agctagccag 60
ctagcagtag cagtgttgga tgaagcagag cggcatggag agcagcctgg tggcgcggca 120
ggtgccgggc agctacggcc tgccgttcgt ctcggccatc cgcgaccggc tcgacttcta 180
ctacttccag ggccaggaca agtac 205

<210> 8114
<211> 209
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d01b1

<400> 8114

ttttaagtt ccaaaccaaa ccaacgaatc cttccttctg ctacctgcct acgtgatcag 60
cagtcaacaa tcgaccacgc ttccagcgct cgatcgatca gcagccatgg ttgccaccgc 120
catgcaggcc ctcttcgacc agcccgagct ctccctctcc ctctccctgg tccccgccgt 180
cgcgccggcg ctcaacaagg acgactacc 209

<210> 8115
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d02b1

<400> 8115

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cccactgtct cttggtcttg agactgctgg aggagtcatg actgtgtca tcaccggaa 120
caccaccatc ccaccaaga aggagcaggt cttctccacc tactccgaca accagcctgg 180
tgtgtcatc caggtttttg agggtgagag gacaaggacc agggacaaca acctgcttgg 240
caagtttgag ctctccggca tcccgcctgc acccaggggt gttccccaga tcaactgtctg 300
cttcgacatt gatgccaacg gtat 324

<210> 8116
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d04b1

<400> 8116

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tctccaggcg gcatgggcaa gcagggcggt ctccccggtg accgcaagcc gggcgacggt 120
gccgccggcg acaagaagga caagaagttc gagccccccg ccgcaccgtc gcgcgtgggg 180
cgcaagcagc ggaaacagag gggccccgag gcggcggcgc ggctgcccc cgtggcgccg 240
ctctccaagt gccgtctccg tcttctcaag ctggaccgcg tcaaggacta ccttc 295

<210> 8117
<211> 280
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189030d05b1
<400> 8117

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actgctcgtg gtttctggtc cggccctcgt cgctcaccg ccccgctctc gctggagcgg 120
cgtactttga tgtggacgag gtggcggacc ggtcggagga caagagcccc tcgccccaca 180
tgctgccctc gcccgaccag tttgccgcct ggatggaccg ccacaacatc acccctgatg 240
accacgtgct tctctacgat cactccaacg gcctcctcac 280

<210> 8118
<211> 273
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189030d06b1
<400> 8118

gggcacgcag gcttttaagg cggtcgactg ctcggtggtt ctggtccgc cctcgtcgcc 60
tcaccgcccc gtcctcgctg gagcggcgta ctttgatgtg gacgaggtgg cggaccggtc 120
ggaggacaag agcccctcgc cccacatgct gccctcgccc gaccagttcg ccgcctggat 180
ggaccgccac aacatcacc ctagtgacca cgtgctcctc tacgatcact ccaacggcct 240
cctcactgcg tctgctcgcg tctggcggac ctt 273

<210> 8119
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d07b1

<400> 8119

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agatcagatc accatgagct ccaacgttca aggtgagggg gaagtccccg tctacgaatc 120
gggtgcagat gccctgcaga agctgcaaga gaaatggaag tccacggcgg cgccgtaccc 180
ggccatgtac tcgagcttct tgggcgggat catcctggac ccggccatga tggccc 236

<210> 8120

<211> 358

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d08b1

<400> 8120

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aatggagggc aaggaggagg acgtgcgcct gggcgcgaac cgctactcgg agcgccagcc 120
catcggcacg gcggcgcagg gcggcggcgc ggacgagaag gactacaagg agccgcccc 180
ggcgccccctc ttcgaggcgg aggagctcac ctctgggtcc ttctaccggg ccggcatcgc 240
cgagttcctg gccaccttcc tcttctctta catctcgggtg ctcaccgtga tgggcgtggt 300
gggcaaccgc tcgggggtcca agtgcggcac ggtgggcatc cagggcacgc cctggagc 358

<210> 8121

<211> 185

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d10b1

<400> 8121

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acaagctcaa ggctgagcgt gagaggggta tcaccataga tattgctctg tggaagtctg 120
agaccaccaa gtactcgtgc actgtcattg atgctcctgg tcaccgtgat ttcacaaaga 180
acatg 185

<210> 8122

<211> 293
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d12b1

<400> 8122

gccagagctc cgcggaacaag agagtgaaca ctcccgcgcg aacacgtagg ctgagcggga 60
 caagatgcca atggagaggt cgggtgctgct ggctgagagg agaaccgccg ccgtcgcgcc 120
 ggccaacgac ctccggtgcc acagcgctc ctacgcgctc tcctacgcgc ccaccaaggt 180
 gcagcgcgac aggagcacca cctccctgtc ccgccccgtg gcggcgaccg ccgtgcagcg 240
 gagcggcagc acgaggaccg tctccggcgc cggcgccggc cccaccccg ggc 293

<210> 8123
 <211> 251
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189030e01b1

<400> 8123

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 aaacttgta ttgacatgta tatgatggac tctgaggctg ctgctcctct gacactttat 120
 atgcttgagg gcatgttaag ctctcagaaa tcacctgcca gaacaaaggc tttcgatctg 180
 attctgaacc ttgggattca tgcacacctg ctggagccta tgatagttga agatgcacca 240
 cttattgaaa a 251

<210> 8124
 <211> 240
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189030e02b1

<400> 8124

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 tgaacaacct cttctccagc tcgtggaagc gcgcgggcgc ggggggacgac ggcggggacc 120
 tggagtcggg cggcgtggag atgacggcgc cgccgggcgc cgcggcgggg gcgagcctgg 180

accgcttctt cgaggacgtg gagtccatca aggacgacct gcgggagctg gagcggatcc 240

<210> 8125

<211> 204

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030e04b1

<400> 8125

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ctggaagtcc tacgacctct acatcgccgg ggacgggggc agcgccgcct cgccggcctc 120

cgggccggca ttttccgcct ggtagaggga gcgcccgcag ctgcactgac tagacacagt 180

gattccctcg ccggctgggc ggcc 204

<210> 8126

<211> 269

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030e05b1

<400> 8126

cctacatata tactatatac acagagaact gggtaaattc acctggacac gaggaagata 60

actcgcgga ggctttcgtg agcgtgcctc atggcagctg gcgaatcctg aagatccctc 120

tcgatagcta cttacctaca tggaaaggaa acgtgatcga agcgaacatg gaaatgaatc 180

cttctcgcgt cgtgggaatg tctctctcgc taaatgcaga aggcggcggt cctggcgcta 240

agactgggcc aggcgattct agattagac 269

<210> 8127

<211> 288

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030e07b1

<400> 8127

gtccgtgtgc ttctttctcc ttgtgtctcc tactgtcttc ttgattgcgc aacaacaata 60

ttcacggagg aatcggagtg gccgcccttg gcctacccaa tacaagtctt ctcttcaagg 120

acatggagat gggaggagag gtcgctggcc cggagaggag aggctgcagg gaccatcgct 180
gacatggatc catatagggg ttatgaacac cgttatgccg tctactggaa aggagcgatc 240
tatgtgcatt gtcaaaatga ctccatttta cgcataacct taacggat 288

<210> 8128
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030e08b1

<400> 8128

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cgggtgaagag caagggggcg gagaagccgg ccgccaaggg gaagaagggc aaggccggca 180
aggaccccaa caagcccaag agggcgccat ccgccttctt cgtcttcatt ggcgagttcc 240
gcgaggag 248

<210> 8129
<211> 255
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030f01b1

<400> 8129

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ccggaggcat gtcggccaag aagatcgtag tgaagctgga gctccatgac aacaaggaca 120
agcagaaggc catgaaagcc gtctccgttc tcgtcggcat cgatgccata tccatggacc 180
tggcgtcgcg caagatgacg gtgatcggca cggtaggacc ggtgcacgtg gtgagcaagc 240
tgcgcaaggg ctggg 255

<210> 8130
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030f04b1

<400> 8130

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tggggcaggg ttctccaggc ggcatgggca agcagggcgg tctccccggt gaccgcaagc 120

cgggcgacgg tgccgccggc gacaagaagg acaagaagtt cgagcccccc gccgcaccgt 180

cgcgcggtggg gcgcaagcag cggaacaga ggggccccga ggcgggcgcg cggctgcccc 240

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accttctcat ggaggaggag ttcgtcgc 328

<210> 8131

<211> 292

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189030f07b1

<400> 8131

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gctgaatggt gatactgctc aagcaaattg gcagatctgc ttactagaa atacttcatc 120

acttgtaaag cctcctaaat ataagcagtc tgaggattta aaaagcagac acagtctaac 180

accgcagctg ccaatcaatt gccctgcggc ttcgaagcct cttgtgcatc ctataaccaa 240

tgagaacact ctcaacactt tggctctctc attacctgtt ctagagcatg ct 292

<210> 8132

<211> 287

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189030f08b1

<400> 8132

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acgaggggat gccgatgtac cagaggcctt tcatgaaggg caagctctac attcatttca 120

cgggtggagtt tcccgactcg ctggcaccgg atcagtgcaa ggctctcgag gctgtgcttc 180

caccaaagcc tgcattcaag ctgaccgaca tggagctcga tgaatgcgag gagacgacaa 240

tgcattgacgt caacatggag gaggagatgc gtcggaaagc ccatgct 287

<210> 8133
 <211> 200
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189030f09b1

 <400> 8133

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 aagaaaccgg atttcttgat gcagtctgag ccggaagttt ttgatccaaa aaagcctcaa 120
 cctgttaaga agaccttgaa ggtaaaagtg cacatgggtg atggctggcg gatggacttc 180
 aagcagacac actttgacca 200

<210> 8134
 <211> 333
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189030f10b1

 <400> 8134

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 ttgcttcaac aattgtttca tcccttgctg agaaacgtca aaaacatgag aaattccttc 180
 aatttcttgt cttgtccaag tgccatgaag aactatcttc aaaacaaaga gctgcaatgc 240
 taagtgtcat ggaacatgga gaaaagctct ctggaatgat ccatcttaga gaattacaaa 300
 atgcccttag ccagcagagt tcaagcacac gtt 333

<210> 8135
 <211> 201
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189030g01b1

 <400> 8135

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 catcctctcc tcaagaacca tactattcag atgcggcctt cttacaaccc aagaggcatg 120

catcatgact ccaacatcac agcccatgca atcactcaaa tatggcatca aaatggcacg 180
 tgccctaaga acaccatacc a 201

<210> 8136
 <211> 327
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g02b1

<400> 8136

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 tgtgaagtcc gggatcaatca agaagaccgc aaagaagatc cgcacgtctg tgacatttca 180
 ccgtcccaag accctgtcca agggcaggga cccaagtac cccaggatca gcacccttgg 240
 caggaacaag ttagaccagt accagatact caagtaccgc cttaccactg agtctgcgat 300
 gaagaagatt gaagacaaca acaccct 327

<210> 8137
 <211> 332
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g04b1

<400> 8137

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 agggcgtgct ggacgccgag cagagctct gggcgaccac attctcctac atcaagtcca 120
 tggcgctcaa gtcggccctt gacctccgcc tcgccgacgc catccaccac cacggcggcg 180
 ccgccaccct ccctcagata gccgccaggg tcgcggtgca cccgtccaag atcccctgcc 240
 tgcgccgtct catgcgcacg ctcaccgtct cgggcgtctt cagcgctcgc cagcagcagg 300
 acgtcgtcgt tcctgctgcc cccgtgagca ac 332

<210> 8138
 <211> 187
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g05b1

<400> 8138

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ccttggtcccc ctccgcgccg cgccgagggc cggcgaaatc tgccgccttt gtcagcgttc 120
cggggggacg gccccggggg cggcggcccg tgctggcggc ggcgctgggc gacatggaca 180
tgcgccc 187

<210> 8139

<211> 198

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g06b1

<400> 8139

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gccgcctttg tcagcgttcc ggggggacgg ccccgggggc ggcggccggt gctggcggcg 120
gcgctgggcg acatggacat gcgccccgcc attgacgaga accccgaggg cgtgctctcc 180
ggcgagtggc ccggcaac 198

<210> 8140

<211> 109

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g07b1

<400> 8140

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acgatgacga cgatgatgac gatgatgatg atggtggtgg tgggtggtgg 109

<210> 8141

<211> 313

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g08b1

<400> 8141

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ataaacatgt ataaggctcc aagggataag cttgcttgca tcctgaactg ttgtaaagtc 120
atcaataact tacttatgaa tgcttctcat atgtcacatg ataaccccc tggagctgac 180
gaatttcttc cagtctcat ctatgtcacc ataaaggcta atcctccgca gttacactca 240
aatcttttat acatacaaag atacaggtgc caatcacgac tgggtgtcaga ggctcaatat 300
ttttttacaa acc 313

<210> 8142
<211> 204
<212> DNA
<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189030g09b1

<400> 8142
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cgctgagggc caagctggcg gagaagggtg aggcggcgac gtcgaggtcg cacgacgagc 120
ggaagctggc gcacgagcgc ggcagggcca aggtcgccgc ggccgaggcg cagctgcaca 180
gggagaaggt cgcgccaccg gagg 204

<210> 8143
<211> 165
<212> DNA
<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189030g10b1

<400> 8143
gactgaaagg tggattggtc atatcattca tgaacatggc atcactggta aacttgatt 60
tatcacacaa caatttgaca ggagctattc cagactacca aataaagtca ctcaaagttc 120
tcgatttgtc atataaccag cttgatgggc caatccccga ttcta 165

<210> 8144
<211> 180
<212> DNA
<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189030g12b1

<400> 8144

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ccatcacctc tgcctgtccc atgcagctcc atttttgctc tctctgtagg ggagaaccgc 120
cgccactgga aagtagtttt acgttatctt taactagttt gtttctagat ttgaagagcc 180

<210> 8145

<211> 268

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h01b1

<400> 8145

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atccagggtgt acgaggggtga gaggaccagg acccgtgaca acaacctcct tggcaagtgc 120
gagctgtccg gcatccctcc tgcaccaggg ggagttcccc agatcactgt ctgctttgac 180
attgatgcca atggtatcct gaacgtgtct gccgaggaca agacgactgg gcagaagaac 240
aagatcacca tcaccaacga caagggca 268

<210> 8146

<211> 294

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h02b1

<400> 8146

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attgatctgt caaaagacag actagctctg caaagggttg gtgaagcagc tgagaaggca 120
aaaattgaac tctcatcaac tgcacagact gagatcaacc ttccttttat cacggctgat 180
gctgctggag caaaacattt gaatataaca ttgacaagat caaagtttga aagtttgggtg 240
aatgggtctca ttgcaaggac tagagaccca tgcaagaatt gtttgaagga tgct 294

<210> 8147

<211> 192

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h03b1

<400> 8147

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aaatagtcaa tgtaccaagt aaggggtggc aaataatcaa attccctca ataaacctac 120
atctatggcc accttcaccc gatcaccgct cccgccggcc gaccccgaga aggagaagcc 180
gctcgcccg c tc 192

<210> 8148

<211> 300

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsrow189030h05b1

<400> 8148

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cagctagcta ggccaggaca atcaacagcg aagatggcct ccctcaccgt ctcgcagacg 120
acaccggcgg cgggcaacgc caacaagcag cgcgagggcg cggagatcat caccggcgct 180
gaggcgtgct acgagcactc caaggagctc ctcaaggggc tgggggtccc gggcggggtg 240
atgccgctgc gcgggctgga agagtgcggg ctggtgcggg agaccgggta cgtgtggatg 300

<210> 8149

<211> 326

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h06b1

<400> 8149

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cgaagatggc ctccctcacc gtctcgcaga cgacaccggc ggccggcaac gccaacaagc 120
agcgcgaggg cgcggagatc atcaccggcg ctgaggcgtg ctacgagcac tccaaggagc 180
tcctcaaggg gctgggggttc ccgggaggag tgatgccgct gcgcgggctg gaagagtgcg 240
ggctggtgcg ggagaccggg tacgtgtgga tgcggcaggg aaagccctac gagcaccact 300
ttcgcgccac gggcaccggg gtgcgc 326

<210> 8150
 <211> 211
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189030h08b1

 <400> 8150

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 ctccccctcc ctgcgcgcgc cccgtgggcg cggctgggca aagcccagcc gtcgccggcg 120
 gcggcggggc ctcatcgtec tectgtcgcg gcggtgctgg cgcgggccgg cgcctcgggt 180
 cggagcgtgg agctgtgccg ggcgacacgg c 211

<210> 8151
 <211> 228
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189030h09b1

 <400> 8151

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 gggtcgcctc gcctcggcac tagcatccgc ggcgtcgaag atgggatcgg aggcggacat 120
 gaccggggcc ctccctgcgc ggcgcagcgg cgtcgcgcgc gcggcggaag cggaggtggt 180
 gccgccgtgg cgggagcagc tcacggtgcg gggcatagt gtcagcgc 228

<210> 8152
 <211> 181
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189030h10b1

 <400> 8152

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 gggtcgtcgc cgacggcgga ctgctgccgg tccctgtcgg cggtggtgac cagagcacc 120
 agctgcgcct gcctcatcct gaccggcaac gtgccgctcg gcctgcccac caaccggacc 180
 c 181

<210> 8153
 <211> 296
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h11b1

<400> 8153

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 acgaggaaga agaagcttca cacacagcgc gggcgccatg aggggggagga ggaggggggag 120
 cagcggcacg gccaccgact tcctcgtctg cttcccgcgc cgggcgcacc tggcgctgat 180
 gccgcccaag acggtctgca gcccgctgag gccgtccgcg agctccgagc gccggcacag 240
 caccagcggc gcccggccgt cgtcgtcgtc gtccagggcg gccaccaaca ggaacc 296

<210> 8154
 <211> 285
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h12b1

<400> 8154

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 ctgtgctcag aaggacgtgt ccaactgggg cctgttcttc tgtgtggcag ttggtctgtg 120
 ggctggtctg attattgggt ttgtgaccga atactacact agcaatgcct acagccctgt 180
 gcaagatgtt gccgattcct gcagaactgg tgctgccacc aacgtcatct tcggtcttgc 240
 ccttggttac aagtcagtca tcatcccaat tttcggtatt gctgt 285

<210> 8155
 <211> 362
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189033a11b1

<400> 8155

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 agaagtccaa gcttgggttc acggtgtacc catctcccca ggtctccacc tctgttgttg 120

agccatacaa cagtgtcctg tccacccact cactccttga gcacactgat gtctctatcc 180
 ttcttgacaa tgaggccatc tatgacatct gccgccgctc ccttgacatt gagcgcccaa 240
 catacaccaa cctcaacagg cttgtttctc aggtcatttc atcactgaca gcttcacctga 300
 ggtttgatgg cgctctgaat gttgatgtca atgaattcca gaccaacttg gtgccctacc 360
 cg 362

<210> 8156
 <211> 326
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189033b01b1
 <400> 8156

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 taccacagcg gcggaaggaa tctagagccc ctcctgccc cggcgccggg cggggcctcg 120
 acgggtaaat cgcgacggca ccctagaacc cccgagcagc cagacgatgg aggaccgcg 180
 caggcagctg cggaggcggc tgcgcgcggc gaatggggga ctacgtgctg ctgcgccga 240
 tcgggtcggg ggcctactcg caggtctgga tggggaagca cgtcgcgcgg tgcaccgagg 300
 tggccgacaa ggagatcgcc atggac 326

<210> 8157
 <211> 307
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189033b05b1
 <400> 8157

cttagactga actggacggg gtctgcttga tattgtccc ctgtccccac tccctgcctg 60
 caaactagcc gacgatggaa cttcacatga agcttctgct ggcctccctc agctgtgtac 120
 ttctaataca aggagcattc tgtgataaca ctgcaggggg gactggagcc acaagccgga 180
 catgtgtgtg cgctgatcat ccgcttggtg aatctaactc caatagcaat ctgccatgca 240
 cctgcaactg ctctgtccat tggctaccag atgaaaacgg cggcacacgg tcatggaact 300
 gctcgtg 307

<210> 8158
 <211> 375
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189033b07b1

 <400> 8158

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 tccccagcg gcggaaggaa tctcgagccc cctcctcccc cggcgccggg cggggcctcg 120
 acgggtaaat cgcgacggcg ccctagaacc cccgagcagc cggacgatgg aggaccgagg 180
 cggcagctgc agaggcgggg gcgcgcggag ggtgggggac tacgtgctgc tgcgcccgat 240
 cgggtcgggg gcctactcgc aggtctggct ggggaagcac gcctcgcggt gcaccaaggt 300
 ggccgtcaag gagatcgcca tggaccgcct cagcgcgaag ctccgagaca gcctcctttc 360
 cgaggtcgac atcct 375

<210> 8159
 <211> 440
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189033c06b1

 <400> 8159

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 cccgcgaaga agccccctgcc accggagatc tcccgaacct tcccctcgcc gccgccccgg 120
 agatctcccg gactgtccct ccgccatcat gggtaagaca cgtgggtatgg gagccgggcg 180
 caagctcaag acccaccgca ggaaccagag gtgggctgac aaggcataca agaagagcca 240
 cttgggcaat gagtggaaga aacccttcgc tggatcgtct cagccaagg gcattgtttt 300
 ggagaagatc ggtattgagg ccaagcagcc taactctgcc atccgtaagt gtgctcgtgt 360
 ccagctggtg aagaacggga agaagatcgc tgcctttgtg cccaatgatg gttgcctgaa 420
 cttcatcgag gaaaacgacg 440

<210> 8160
 <211> 65

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189033c07b1
 <400> 8160
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 gcacg 65

<210> 8161
 <211> 221
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189033c08b1
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 acccagggcc gttcaagaaa ccggacgcca ccggggctgc tacccttggc cgtcgccaag 120
 atggtgcgga ttagcaacac ggtgatcggg atcctgaacg cggcgacctt gctgctctcg 180
 gtgcccattc tggcgggagg catctggctg ggggcgcgcg c 221

<210> 8162
 <211> 362
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189033c11b1
 <400> 8162
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 cccacctcaa gctcgtttac ctgacctat gctttgcct ggcctcatct gccgtgggtg 120
 cttacctgca cattgccctg aacatcggtg ggatgctgac aatgcttgcg tgtatcggaa 180
 ccattgcctg gatgttctct gtgccagtct atgaggagag gaagaggttt gggctgctga 240
 tgggtgcagc cctcctggaa ggggcttcgg ttggacctct gattgagctt gccatagact 300
 ttgaccaag catcctcgtg acagggtttg ttggaaccgc catcgccctt ggggtgcttct 360
 ct 362

<210> 8163
 <211> 96
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189033c12b1

<400> 8163

cttacgcgtc ggcgagcttc gttcccttcc cattaagcct gcccgttacc tccgccccaa 60
 tctgagatgg accgcctgtc actggcaatc taccaa 96

<210> 8164
 <211> 496
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189033d01b1

<400> 8164

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 ttctgtacct gcttgacaat gatacatcat ggatgattct tgctagctct ggagttgggtg 120
 tgtgcattga attctggaag ataggaaaag cgatgcatgt tgagattgac agaagtggaa 180
 agattcccat gttgagattc cgggatcgtg agtcatatgc acagaataag accaaggagt 240
 atgatgcgct tgcgatgaag tatcttacat atgtccttct agtccttatg gctgggttttg 300
 ctatctattc actcaagtat gataaacaca agagctggta ctcgtggata ctctcttccc 360
 tcacaagttg tgtttacatg tttggtttca ttatgatgtg cccacaatta tttatcaact 420
 acaagctgaa gtccgttgct cacatgccat ggagacaaat gacctacaag ttcctcaaca 480
 ctataattga tgatct 496

<210> 8165
 <211> 432
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189033d03b1

<400> 8165

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 cctgctcgcg cttcctctta cacggggggc ccctacactt ctccggccac gccaccggag 120

atggcggtccg agctcacgta ccgcgggcggg gccggtccc cgtccgcggg cgccgcgggc 180
gccgcgggcg agtactcctc cccgaagccc gccagctcca agccgctcgc gtggctgccc 240
cgcgccgccc gctacgccgc ggccgagcac cgcccgtctt tcgccctcgt cggcatgctc 300
gtcgccgcgc ccatcttctg cctcgccgcc ccctccggct ccggctccgg caccgcccgc 360
ccctactcct cctccggacg cgtctccggc gcgctcacc gcttctccgt cgaccccgcc 420
gcgcacaacc ct 432

<210> 8166
<211> 430
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189033d04b1

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ttctttctcc agcggcccgc gtgcagggtc accctgtacc aggacgcgca caccgccgac 180
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gaggacgtgt tcgacgccat cagtgcgcgc cgccacctga tatacgtcac cggctggctc 300
gtgtacaccg agatcacgct gatacgggac ggctcccggc cgcgccccgc cggcgacgcc 360
accctcggcg agctcctcaa gcgcaaggcc agcgagggcg tgcgcgtgct catgctggtc 420
tgggatgacc 430

<210> 8167
<211> 307
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189033d05b1

<400> 8167
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gacggtggac gaggacaaga agcccgcgga cgacggtgga ggcgcccaca ttaacctaaa 180

ggtcaagggg caggatggca atgaggtttt cttgcgcatc aagagatcca cacagctgaa 240
 gaagctgatg aacgcttact gcgaccgcca gtctgtggat ctcaactcca ttgctttcct 300
 ttttgat 307

<210> 8168
 <211> 472
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189033d06b1
 <400> 8168

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 tgacggcgga cgaggacaag aagcccgcgg gcgacgggtg aggcgcccac atcaacctca 180
 aggtcaaggg gcaggatggc aatgaggttt tcttcgcat caagagatcc acacagctga 240
 agaagctgat gaacgcttac tgcgaccgtc agtctgtgga tctcaactcc attgctttcc 300
 tttttgatgg tcgtaggctc cgtggtgagc agaccctga tgagcttgag atggaggaag 360
 gcgacgagat cgacgccatg cttcaccaga ccggaggggtg ctttcctggc cttagaagg 420
 agcttgctgc agcctggctg ttctatgtcg tatgctacct ttagaactag ag 472

<210> 8169
 <211> 462
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189033d07b1
 <400> 8169

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 gcggcttcag atgccttcac tcgcgtcgga ggtgctgaca aaaattgccc ggagctggcg 120
 cgcggtgtgca cgtgggtggt ggggctgtgc tgggcccagc catggactac atggccatgg 180
 acagaagctg aactgatgat gaccttcgac caccatatgc taataatgcg cataatagga 240
 gtataacagg cagcggacgt gccagtggta atggcagagc tattgctcct gtcagtggta 300
 atggaagggg cattgctcct gccagctcgt accctagagc ccagaccgat atggaaacac 360

aaattcaaca gcttgagcaa gaagcgtatt gtgcagttct gcgtgctttt aaagctgagt 420
ctgatgccct cacatgggag aaggaggggc tgattactga ac 462

<210> 8170
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033d09b1

<400> 8170

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cagatgggtca agggacacct ttcctttttc atcatggtag aaatgctgca agttcaacaa 120
gtggtgcatt catgcgtatg ttcaaaggat ccactagtcc tggagaagat tatgagttcc 180
caagagctat agcgtttgct gcttcggcaa tccgtagtcc agctattgtt gctgtcactt 240
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acggagcaag gacaattgaa agtgcttctg ggcattctgc tccagtaacc tgccttgac 360
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ggattcatc 429

<210> 8171
<211> 283
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033d10b1

<400> 8171

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ttattgtccc agcggaccgg atgcagggc accctgtacc aggacgcgca cccccggac 180
gcgttcgcgc ccaggatccc gctctggggc ggtcggacct accaagatgg acagagctgg 240
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<210> 8172
<211> 389

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189033d11b1
 <400> 8172
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 tgacggcgga cgaggacaag aagcccgcgg gcgacggtgg aggcgccac atcaacctca 180
 aggtcaaggg gcaggatggc aatgaggttt tcttcgcat caagagatcc acacagctga 240
 agaagctgat gaacgcttac tgcgaccgtc agtctgtgga tctcaactcc attgctttcc 300
 tttttgatgg tcgtaggctc cgtggtgagc agaccctga tgagcttgag atggaggaag 360
 gcgacgagat cgacgccatg cttcaccag 389

<210> 8173
 <211> 415
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189033e01b1
 <400> 8173
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 gcacacggag cgcaatcaga agacatccta ctccatcacg ctccaggggg tggtcggccc 120
 tgaccgcgcc ttcaccgacg tctgcatcgg ctggccgggc tccatgccgg acgatcaggt 180
 gctcgagaaa tccatgctgc accagcgcgc cgcggcgggt atgatgcacg acgcttgccct 240
 cgtcggcggc gcaagctacc cgctcatgga ctgggtgctc gtgccgtaca cgcaccagaa 300
 cctgacatgg acgcagcacg ccttcaacga gaaggcggc gacatccgca acgtggccgt 360
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<210> 8174
 <211> 456
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189033e02b1
 <400> 8174

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aacgagatct ccatggccaa ctcccggcag aacatccgga agctggtgaa ggatggtttc 180
atcatcagga agcctcagaa gatccactcc aggtctcgtg caaggagggc acatgaggcc 240
aagcagaagg gccgtcactc tggatatggt aagcgtaggg gtaccaggga ggctaggctc 300
cccaccaaga tcctgtggat gcgaggatg cgtgtcctga ggcgcttct gcgcaagtac 360
cgtgaggcca agaagatcga caagcacatg taccatgaca tgtacctgaa ggtcaagggt 420
aacatgttca agaacaagag ggtcctcatg gagagt 456

<210> 8175
<211> 487
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189033e03b1
<400> 8175

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atcttccaag gctggtaaga agggcaaaga atctagtgat agctcagatt ctgactcaga 120
ttcagattct gaagaagata ccaccgctaa aacagtctct gtaaagaaag aagaatctag 180
cggcagctca gatagcgact cggattcaga ttctgatgaa ccagcaaaat ctactattcc 240
tgcaagagg cctctgacaa cagagaaaaa gagtgaacat tccaaggatg attctgatga 300
tagttctgat gagagtgatg aggaagagcc tccacaaaag aagcctaagg attcatcttc 360
tggtgctgcc aagccagtct ctaaggctgc caagaaagaa agcagtgatg atgatgacag 420
ttctgaagag agctctgaca gtgatgagga aaagagtaaa tcggtgtcag tggcaaaacc 480
caagcag 487

<210> 8176
<211> 498
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189033e04b1
<400> 8176

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gcgcggtggcg aattcccctc tccctctctc acgctgcagc gaccccggag gcgacgtcgg 120
cggccacagc ttgccgaaat ggcatcatct tcggacccat ggatgaaaga gtacactgaa 180
gcatctaagc ttgttgatga tataagctcc atgattgccg atagaagttc tcttcacaa 240
tcaggccccg aaattatgcg ccacacatca gccatccgga gaaaaataac cattcttggg 300
actagactgg atagctcggg gacattgttg tccaggattc ctccaaagtc actcactgac 360
aaggagatgc ataagcgcca agatgcactt tccaatttga aatctaaagc aaaacagatg 420
gggacaagtt tcaacgtgtc aaactttgcc aacagggagg atttgcttgg tcagagtaag 480
acagcagctg atgatatg 498

<210> 8177
<211> 461
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189033e05b1
<400> 8177

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agccggccgc cgccgagatg cagccgcccc tcggctcccc caccgcccgt ccccaatccg 120
aggtccagca cccgctgtct acccctgatc ctctctctcc ccccgctccc gcaccggcgc 180
cggacccggc cgatccgccc tcgtccgcgc ccgcccctggc gccggtgcag ctgcagccgc 240
agcagcatcc caagaccgtc acgtggagcg agaagctcac gtccgagtcg cccacctacg 300
tgccggccgc cgccgcccgc gagtccagcc agtacgtctc ccgcgggccc gccgtctcct 360
cctacaaggg cgcggtggag gcgatgaagg acacgctgtc gaggtggggg aagtccatgg 420
cggagaccac cagcatggtc gagagcctca gccgcgacac g 461

<210> 8178
<211> 403
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189033e06b1
<400> 8178

ctttgcgtcc gggcagtctt ggcaaagtat atacgccaac ccgctcgatc cctgcactcc 60
 gtatgctacc tgtggggccat tcacgggtctg tactggtaat tcacatcctt actgtgactg 120
 tatggaggga ttctctcaga agtcaccaca ggggttgggac cttgatgatc gaacaggagg 180
 gtgcatcaga aatactccat tgcagtgcac tagcaagaag aacacgataa attcaacgga 240
 caagttccac ccatttgctc gtgttacatt gacctatgaa ccccgagca tgggcaatgc 300
 taccactcag agcgaatgcg cagaaactcg tctcggatcc tgctcctgca ctgcttacac 360
 ctataacagt agcgggtgct ctatctggca tggggaattg ctt 403

<210> 8179
 <211> 484
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189033e08b1

<400> 8179

tgtctctccg gccaaatcaa tccacccgcc ggcggcgagc acggagacag aggggtagga 60
 gccgacagcc gaggcagtcc accaccgcgc catggcgccg ccccgagca ccagcgcccc 120
 cgacggcggc ctggatccca gggacgtgtg cgctcgctggc gtcgcccga cgcccatcg 180
 cgccctgctc ggctccctct cctccctccc cgccaccagg ctcggtctcg tcgccatcca 240
 ggggtgctctc cggcgagcca gcgtcgaccc ggcgctgggt caggaggtgt tcatgggcaa 300
 cgctctcagc gccaacctcg gccaggcccc cgccaggcag gccgcccctcg gcgcccgcct 360
 gcccaacacc gtcccctgca ccaccgtcaa caaagtctgc tctcgggga tgaaggctgt 420
 catgcttgct gtgcagtcga ttcagctggg gatcaacgac gtcgtggctc cggcgggcat 480
 ggag 484

<210> 8180
 <211> 457
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189033e09b1

<400> 8180

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accttctctt tctctacat ctcggtgctc accgtgatgg gcgtggtggg caaccgtcc 120
 gggccaagt gcggcacggt cggcatccag ggcacgcct ggagcttcgg cggcatgatc 180
 ttcgtgctcg tctactgcac cgccggcatc tccggcggcc acatcaacc cgcggtcacc 240
 ttcgggctgt tcttgccag gaagctgtcg ctcaccaggg ccgtgttcta catcgtgatg 300
 cagtgcctgg gcgccatatg cggcgccggc gtggtgaagg ggttccagac cagcgtgtac 360
 cagggcaacg gcggcggcgc caactccgtc gcgcccgggt acaccaaggg ggacgggctc 420
 ggcgccgaga tcgtcggcac gttcgtgctg gtgtaca 457

<210> 8181
 <211> 320
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189033e12b1
 <400> 8181

acgtttgcgt ccgggcagtc ttggcaaagt atatacgcca acccgctcga tccctgcact 60
 ccgtatgcta cctgtgggcc attcacggtc tgtactggta attcacatcc ttactgtgac 120
 tgtatggagg gattctctca gaagtcacca catggttggg accttgatga tcgaacagga 180
 gggatgcata gaaatactcc attgcagtgc actagcaaga agaacacgat aaattcaacg 240
 gacaagttcc acccattgc tcgtgttaca ttgacctatg aacccgaag catgggcaat 300
 gctaccactc agagcgaatg 320

<210> 8182
 <211> 450
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189033f01b1
 <400> 8182

gttgtcttcg tactcgctc tctccgcgca accgagcctt ccgccacact cctccccatt 60
 tcgccagcgg cgcacccacc aaccaccccc acccgccgcc atgaggaggat gcatctcgat 120
 ccacatcggc caggccggca tccaggtcgg gaacgcgtgc tgggagctgt actgcctcga 180
 gcatggcatt cagcctgatg gccagatgcc cggtgacaag accgttgggg gaggtgatga 240

tgctttcaac accttcttca gcgagactgg ggctgggaag cacgtccccc gtgctgtctt 300
 cgtagatctc gagcccactg tgattgatga ggtgaggact ggcgcttacc gccagctctt 360
 ccaccctgag cagcttatca gtggcaagga ggatgcagcc aacaacttcg cccgtggtca 420
 ttacaccatt ggcaaggaga ttgttgatct 450

<210> 8183
 <211> 385
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189033f02b1
 <400> 8183

ctacgcgtcc gccacgcgt ccgatcggat cggggaaaag gcctccacga gctctcgtct 60
 ggactgccgc cgccgcccga gatggcgatc cgccgtgggc cctcctgcgc cgccctcgcc 120
 ctgctcgcgc tggcctccgt cgccgcggtc tccgccgacg tcttcttcca ggagaagttc 180
 taagatggtt gggaaagccg gtgggtcaag tctgagtga agaaggatga gaacatggct 240
 ggtgaatgga accacacatc tggaaaatgg catggagatg ctgaggacaa aggtatccaa 300
 acctcagagg actacagggt ctacgccatc tcggcggagt accctgagtt cagcaccaag 360
 gacaagacac ttgtgctgca gttca 385

<210> 8184
 <211> 446
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189033f06b1
 <400> 8184

tttacgcgtc cggtcgcgatt cgaaatactg cttgccacgc tagggttttg ctgcctccgc 60
 cgccgcctcc cggcagcgtc gtccccccat ggcgctgccg aaccagaaca ccgtcgatta 120
 cccagcttc aagctcgtca tcgtcggcga tggcgggact ggcaaaacca cttttgtgaa 180
 gaggcattc actggagagt ttgagaagaa atatgagccc actattggtg ttgaagttca 240
 ccattggat ttcaccacta actgtggaaa gatccgtttc tactgctggg aactgctgg 300
 gcaagagaag tttggtggcc ttagggatgg atactatatc catggtcagt gtgcgataat 360

catgtttgat gtcacttcaa ggctgacata caagaatgtt cctacgtggc acagggactt 420
gcgcaggggtg tgtgagaaca tccccca 446

<210> 8185
<211> 451
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033f08b1

<400> 8185

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gcggggaggg tgccccggcc ccggcacagc tgctggattc ggggcggcgg gcggcggtcc 120
acggaatccg gccggattgc gcgtgaattc agagcagtcg aggcattgcca taagaagagc 180
agggggagca aatgtggcgt ctcttcaacg agctgtggga cgttctagga tccgggtttt 240
tctcgtccag gttcctataa gcctaacaag tcagcgactc gcctctcccg tcgcatcaaa 300
tcaagtccat ccatccattg catcggtcca tctggtcggt cggcatggac gaggaggatt 360
actcgtgggt gcggcggacg aggttctccc actcgcgtcg ccgctccaac tccggcaggg 420
agcagttcgg cgccttcgtc gagcagttca a 451

<210> 8186
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033f09b1

<400> 8186

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cctcctccgg ccccgccgcc gccgccgctt cgccacaggc tcacggttat tcaagatgga 120
acacaaggag gcgggttgcc agcagccgga gggcccaatc ctatgcttta ataactgtgg 180
cttctttggc agtgcggcga ccatgaacat gtgctccaag tgccacaagg agatggtcatt 240
gaagcaggaa caggccaagc tggttgcttc ctcttcgat agcatcgtca acggtggcga 300
cggtgggaaa gcacctgttg ttgcggtgtg agccgcgagc gcagaggtgg tggttgctca 360
agttgacgtg aaggcgctcg ttgtgcagcc tgctgctgat gttgcaggca ccagcgaagc 420

t

421

<210> 8187
<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033f10b1

<400> 8187

tctaccgcaa gcgccctccg aaccaaatcg aacaaccgag agaagccatg gagcgacttc 60
agcggatctt cggcgccggc gggatgggccc agccgccgtc ggactcgccg ttgctcgact 120
cctccgagca ggtctacatc tcctccctcg cctcctcaa gatgctcaag cacgggaggg 180
ccggcgtgcc gatggagggtc atgggcctca tgctcggcga gttcgtcgac gactacacgg 240
tccgggtggt cgacgtcttc gccatgccgc agagcgggac gggggtcagt gtcgaggccg 300
tcgaccacgt cttccagacc aatatgctcg acatgctcaa gcagaccggc aggccagaaa 360
tggtggtagg gtggtatcac tctcatcctg gctttggctg ctggctatcg ggtgttgata 420
tcaatactca acagagtttc gaagctttga accccagggc ag 462

<210> 8188
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033f11b1

<400> 8188

ttttcgctc cggtggagaa gtgcctgagg gatgccaaga tggacaagag cactatccat 60
gatgttgctc ttgttggtgg ttccaccaga atccccagag ttcagcagct gctgcaggac 120
ttcttcaacg ggaaggagct ctgcaagagc atcaaccctg atgaagctgt tgcctacggt 180
gctgccgtcc aggctgcaat ccagcgggtga ggggaacgag aaggaacacc accatcccca 240
ccaagaagga gcaggtcttc tccacctact ccgacaacca gcctgggtgtg ctcatccagg 300
tgtttgaggg tgagaggaca aggaccaggg acaacaacct gctcggcaag tttgagctct 360
ctggcatccc gcctgcgccc aggggtgttc cccagatcac tgtctgcttc gacattga 418

<210> 8189
 <211> 399
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g01b1

<400> 8189

ctgtcgcgtg ggtgacaagc gtgtgatcga gaggttcgag aaggaagccg ccgagatgaa 60
 caagaggtct ttcaagtacg cctgggtgct tgacaagctg aaggccgagc gtgagagggg 120
 tatcaccatt gatattgccc tgtggaagtt cgagaccacc aagtactact gcaccgtcat 180
 tgatgctcct ggtcaccgtg acttcatcaa gaacatgatt actggtacct cccaggctga 240
 ctgtgctgtg ctcatcattg actccaccac tgggtggtttt gaggctggta tctccaagga 300
 tggccagacc cgtgagcatg ccttccttgc ttctactctt ggagtgaagc agatgatctg 360
 ctgctgtaac aagatggacg ccaccactcc caagtactc 399

<210> 8190
 <211> 351
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g02b1

<400> 8190

attacgcgtc cgagccaggc tcgctcccc cgtcgcgccc cagcttccca gcaccatcca 60
 gatccgcgcc tgctgccatg gccgaccag gagacgagca gcgcgcgggc ctgctcgccg 120
 cggcgctacct cttccccgtg cccgacggcg cgaccttctc ctacgggacg gtgggattcc 180
 gtgccgacgg gagcaccatg gccccgcgg tgtgccgcgc cggaatcgtg gcagcgctgc 240
 gctccgtgaa gctggggcggc gccgcccgtc ggctgggtcat cacggcgctc cacaaccccg 300
 tcggcgacaa cggcgtcaag atcgtggacg ccgacggcgg catgatgtcg c 351

<210> 8191
 <211> 452
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g03b1

<400> 8191

attgagtgtt ggtgttgcgg agtcggggaa gatatgttca gaaaaagtta ccagcagatc 60
caagactcag gaagacttaa tcaagtcaat ttataatttc tcagtagtgc ttctatctac 120
ttgcgatggc gggttatgagt tggaggaatc tgaacatgca cttgttcaat ctacaatata 180
caatctcagt tcttttgagtt ccaagataag caaggctgca ttaaaaaatg atgatgtaaa 240
tggaaactgc tgccaaacaa aatcagatac aagggtgccat ggaaagaatc atcagcctca 300
gaagtttgat ggacttgact gggagaacat tgggtgcagat tttaaaacat ttattttgga 360
ggatcttact aaacttccag aagagaatgt cattgggtgat actaaagatg cacaaatgct 420
gatataaag aatctatgga ttgaagctga ag 452

<210> 8192
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g04b1

<400> 8192

gtacactccc tcgcateggc tttccgccgg tggatcccct tgacgagccg ccgcgccggc 60
gcaccggcat ccggtgcta tacctccctc gccgtgctgt gggccgacct agaggcatgc 120
ctcgcggggg gtgtctttca gctggcatac caccctgac tgggctcccc gtcgcctcgg 180
cacggcagca ggcggcgctc cccgtcagcg cggtatggca gcaggcggat ccggcgagat 240
cgcagacgct ccccttactc ctgccggaga aaaagtccgt ctcttctgc tagatgggac 300
aggagccagc cc 312

<210> 8193
<211> 266
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g06b1

<400> 8193

atttaaatca atttgctcaa actcggccag ttcgcggcca tagggtcgcg ccaatatccc 60
gacacggatg ccgccatcac ctctctcgag gggataatca caaagcttcg tgagaccagg 120
gagctgctga tcaatgagcc tctcttcac gtcaagatgc agatcgcggc aattcacgct 180

ggacaaaggc aaccatcacg agcgcaagaa cctgcaagag gaagggaaga ccaccctgga 240
 tggcatgact gatgtggatc caacag 266

<210> 8194
 <211> 427
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189033g07b1

<400> 8194

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 tgcattgcttt gagttctatg ctggtctggc tgaagcctta gatggtaaac aacatgcgcc 120
 aatctctctg cccatggaag aattcaagac ctatgttctt aaagaacca tcgggggtttt 180
 tggactcatc actccctgga actatcctct gttgatggct acttgaaggt ttgcacctgc 240
 cctggctgct ggggtgtacag ctgtgttaaa accatctgag ctggcttctc taacttgctt 300
 agagctcggc gcaatatgtg aagaggtagg actgccttca ggagttctga acataattac 360
 tggctctgggc cctgatgctg gtgctccaat agcttcacat ccccatgtgg ataagattgc 420
 ttttaca 427

<210> 8195
 <211> 452
 <212> DNA
 <213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189033g08b1

<400> 8195

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 gcgcggcgat ggtgcggccg gcgggcctcc tcgaccggc gacgaggcgg cgcccgttcc 120
 tcgaccagcg ccgcccgtcc ttccggcgcc gctggcagca gcgcccgtc tgggcccgc 180
 tctgtctctc gtcctctctc gccctcgctt gcgcctctct cctctctggc ctgcgccgct 240
 ccccgaccc ctctctcccg cctctcaccg acgctctctc ctccggatcc gccgacgccg 300
 acgccgatgc cgtctctctc cctctctctc gccagagatc ttacctcgag gttatcacgg 360
 acacgcagaa catgacggac gaaatgatga gcgctcactc gctttcccg cagctcatgg 420

accagatttc tctcgcaaag acctacatca cg

452

<210> 8196

<211> 387

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g09b1

<400> 8196

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ggcgcgcagg ggcggcgtga agcgcatttc ggggctcatt tacgaggaga cccgcggcgt 180
gctcaagatc ttctctgaga acgtcatccg cgacgccgtc acctacaccg agcacgcccc 240
ccgcaagacc gtcaccgcca tggacgtcgt ctacgcgtc aagcgccagg gccgcaccct 300
ctacggcttc ggaggctagg ccgagggttc atcgatccag ctcgcgacgc cgccgtccga 360
ccgagagtag tagtgctatc tatctag 387

<210> 8197

<211> 447

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g10b1

<400> 8197

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gcatctgcat cctgtccta tctatccctc cccgcgcgga gggccacagg agaggcatgc 120
cgcgctgggt gtctcgttcg ccgccatacc accgtcggcg gcgctccccg tcgccgcggg 180
acggcagcag gcggcgctcc ccgtcgccgc ggtatggcag caggcggatc cggcgagatc 240
gcagccgctc cccttactcc tcccggagaa aaagtccgtc tccttctcct agatgggaca 300
ggagccagtc ccgattcct aggaggcgta gaagccctgc atcaccgatg agacatagaa 360
gacggaaaag tcggagcagc tcaagttctc ttgtaaataa ctccagccca agtcatggat 420
ctgaacagaa cagtttaata gaaaaac 447

<210> 8198
<211> 537
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g11b1

<400> 8198

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gacaaggatg ccgccatcac ctctctcgag gggataatca caaagcttcg tgagaccagg 120
gagctgcgga tcaatgagcc tctccttcac gtcaagatgc agatcgcggc aattcacctc 180
gacaaagga accacaagga gtgcaagaac ctgctggagg aagggaagac caccctggat 240
ggcatgactg atgtggatcc aacagtccac gctagcttct actgtatatc gtctcagtac 300
cataagtcgc tccaagagtt tgctgagttc tataagaacg cacttctcta tctggcctac 360
acaaccgtag ggtccctctc agagtcattc aagctggact tggcatttga cctttccctt 420
gcagccttgc tgggggacaa catctacaac ttcggggaat tgtagctca ccctattatc 480
aatagtctta ttgggaccaa ggtggagtgg gtctatcaca tgttacaagc gttcaac 537

<210> 8199
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033h01b1

<400> 8199

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cttctctaac ttgcttagag ctcggcgcaa tatgtgaaga gataggactg ccttcaggag 120
ttctgaacat aattactggg ctgggccctg atgctggtgc tccaatagct tcacatcccc 180
atgtggataa gattgctttt acaggaagta ccgcaactgg taagacgata atgaccgctg 240
ctgccc aaat ggtaagcct gtttcattag agcttggtgg caaaagtcct cttgttatct 300
ttgatgatgt tgctgacatt gacaaagctg ttgaatgggc cgtgttttggg tgttttttca 360
atagtgtca agtttgcagt gcaacttctc gtctacttct ccatgagaaa a 411

<210> 8200
<211> 408

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189033h02b1
 <400> 8200
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 atggcggcga aggaaccgat gcgcgtgctc gtcaccggcg ccgcaggaca aatcggatat 120
 gctcttggtc ccatgattgc caggggagtt atgcttggtg cagaccagcc tgttattctg 180
 catatgctgg atattgaatt tgctgctgaa gctcttaaag gtgtcaagat ggagttgatt 240
 gatgccgat ttccacttct caagggagtt gttgcaaaa ctgatgttgt tgaggcctgc 300
 actggtgtga atgttgccgc tatggttggg ggattcccca ggaaggaagg aatggaaagg 360
 aaggatgtta tgacgaaaaa tgtttcaatc tacaaagctc aagcatct 408

<210> 8201
 <211> 388
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189033h03b1
 <400> 8201
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 aggaccaaag gattcttgcc agtgggggtc atgttggtgt tggcacacct ggtcgtgtgt 120
 ttgatatgtt gcgcaggcaa tccctccgcc cagataacat caagatgttt gtgttggtg 180
 aagctgatga gatgctttca cgtgggttca aggatcagat ctatgatatc ttccagcttc 240
 ttccatcaaa gattcaggtt ggggtgttct ctgctaccat gcctcctgag gcccttgaga 300
 ttacccgcaa gttcatgaac aagcccgtga ggattctcgt caagagagat gagcttacct 360
 ttgagggtat caagcagttc tatgtcaa 388

<210> 8202
 <211> 248
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189033h04b1
 <400> 8202

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 gtctagcgac gatcctctgc tgggtgctggt gctgcagggg gctccgcccc gcggctgagg 180
 ggcacgacca gcatcaagag gggggcgaca acgcggcggg agctgcgaca catgcctctg 240
 cggggggac 248

<210> 8203
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 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189033h05b1
 <400> 8203

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 tctgcactca acccaatgcc ctgtcagctt cgatgtatgc agtatgcacc cagaagaaat 120
 atctctccag agtggcctcc tatggagcgg gcgctctctt tggattgctt gatccttcga 180
 gcta 184

<210> 8204
 <211> 361
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189033h06b1
 <400> 8204

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 gtcccaatga tgtcatcttc tccattgatt gccaatgcac ccctgagaa gaaagggtgc 180
 aagaactttg cgattgactt cctcatggga ggagtgtcag ctgcagtttc caagactgct 240
 gcagctccta ttgagcgtgt taagctgctt atccagaacc aggatgagat gatcaaggct 300
 ggcaggctct ctgagccata caagggtatt ggtgactgct ttgggcgcac catcaaggat 360
 g 361

<210> 8205
 <211> 387
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189033h07b1

 <400> 8205

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 aacgatgagg gcatgcccac gtaccagagg ccgttcatga agggcaagct gtacatccac 180
 ttcacggtgg atttccccga ctgctgaac ctggaccagt gcaaggcgct cgagactgtc 240
 ctcccgccca agccggcgct gcagtacacg gacatggagc tggacgagtg cgaggagacg 300
 atggcctatg acatcgacat tgaggaggag atgcggaggc ggcaacagca gcaggcacag 360
 gaggcctacg acgaggatga ggacatg 387

<210> 8206
 <211> 411
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189033h08b1

 <400> 8206

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 aagtttgagc tcggtggtag aattgctcaa tgagatcgtg aataggagca tgattcaacc 120
 aattgacatc aatgttgata aaggcatgga aaaatcttat cgtatacatg atatggtgat 180
 tgatttcata tgctgaagaa aaacacttct gtggcatgga gtgaaagcgg tctatccaaa 240
 ggcaagatgt gaagattatc catctgaaag agcatgacag gtagcagcga tgtgacaatg 300
 aggtctcttg caattgttga ttcagtgtag cttatgttga attttccaag ttctacatgc 360
 gctggattag aatattgtgc tgcattgtctc tattctttgc aatcacaatg a 411

<210> 8207
 <211> 131
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189033h12b1

<400> 8207

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ccatcctatg agaggcgctt caccacaagc agcttcatga ctcagaacct tggcataagt 120
gtcccaatga t 131

<210> 8208

<211> 372

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189034a01b1

<400> 8208

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tatcttgtct acaaatgaca aaacaatcaa gtactggaag gtgcaagaca aaaaagtga 120
acggatttca gtaatgaatt tggatacttc ccagagtga gacaatggga caacttctag 180
ttcgagtacc aatagctcta gaggtcttcc taatggagga tcctcagaaa agtcatacaa 240
ttgtgcaaac aatgatctgc cattccctcc tgggggatat gcatcattgc gtttgctgt 300
ggttacaggc caagagttaa accctgtcgc tagatgaccg cgtgtatatg cacacgcca 360
tgattaccat at 372

<210> 8209

<211> 318

<212> DNA

<213> *Triticum aestivum*

<223> Clone ID: uC-tsrow189034b09b1

<400> 8209

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atcttctcag atgtgcagga tggcatgaaa attgccaag aggagatatt tgggcctgtt 120
cagtcaatct tcaagttcaa tgacctcaac gaggtgatca agagggcgaa cgcaagccag 180
tacggattgg ctgccggtgt tttaccaaac aacctggaca cggccaacac cttgacgcgt 240
gccctcaggg ccggcacggt ctgggtgaat tgctttgaca tcttcgacgc ggcatcccc 300
ttcggcgggt acaagatg 318

<210> 8210
 <211> 220
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189034d09b1

 <400> 8210

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 gctgcttcgg caggcgaggc cggagtggaa ccccgccatg atcaagtatg gcctgatgac 120
 caccgcgtac aacatggaca ggcgcggtgg tgtcatccgc gacatgtgca ccggccaagt 180
 gatcacgcta ttcgcacgag gggctagaca cgtgcacccc 220

<210> 8211
 <211> 241
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189034f03b1

 <400> 8211

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 gagagggtgg tgctcgtgta ccacaacctg ggcgagctct cggagaagta ctaccgctc 120
 cccggctaca cctacctctc gccattctc gggctgctgg tctacgacgc tgccaacttg 180
 tcagcggtgg ggttgtctga gctgagcatc gtcgcgtcag ggagcccgat ttctgtgagt 240
 t 241

<210> 8212
 <211> 384
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189034g06b1

 <400> 8212

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 acaagcatgt tctatttacg gaagccaaga tgaagtgaga cagtgcagcc tttttttatt 120
 cttgacataa gacctctact gttcattttc gttgaagaca atgctacctt tattagcctg 180

ttccagattt gagagtttca tgtgggcacc aaatcagcat ggatcttgct ctgcctgcct 240
 gtttatttgt attgtaagtt tgtaactgaa atgagctgca agcctgcaaa agtactgccc 300
 atctagtgtt gtgatgatta tcatgtggat gcttggttct gaaacttaaa gcagccacag 360
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<210> 8213
 <211> 415
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189034g07b1
 <400> 8213

ttccagtcca atccaccctg ttcacgtccc tgatggtgag gtggatgatt ctccctcgtaa 60
 cggatccagc cgagggtctg ttcttaatcc gctgcccatt aggatcacag ggggttgaaa 120
 atccacgcca aactgaacaa ggtgaggatg tcaacatctt cgaaagtgga tcagaggaga 180
 ttagagagca tcgaggggat tttgagttgc ggcggacttg atccccctcg gtcctcttta 240
 atccacacga aacagaaggc ctagaggata tccacgtctc tgaatcagca tatgcaaatt 300
 caaccgcca agaattacca gggcaccaag tacgtccgag ctggttggtc cacgttttat 360
 ccggagtttc cagatgactg gtataacatc gaggaccctt ccatgcccac ggaca 415

<210> 8214
 <211> 425
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189034g11b1
 <400> 8214

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 atttcgctcc tgtcggtgt cgcccccta ccctctgaag ccctcaacgt gagaggccat 120
 ctgctgaaat caaagacgtt ccgttctccg cccatcttat tgggacctgg atcagtctca 180
 aacaagtacc accatgatgt cgacttcccc cgaggccacc ttgcagtcaa gagctttgat 240
 gcagaggctg tcgatgagaa tggcgctcct gtcccgtctc atgagactta cctgcatcac 300
 tgggttgtag aaccatacta tgctctgaag aacagtcaga gccccgatac gcaaaatctt 360

ccaaaaggga tgcttaaaag gaatgatgga gtgtgcaaga ccacactagg ccagtacttt 420

gggct 425

<210> 8215

<211> 456

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034g12b1

<400> 8215

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gcggccaggg cgatctcgtc tgagcaggag catacccca tggtcgccgc gctgctgcac 180

gtcatctcag ggtataccac gccggtgccg gacttcttct tcccagcgag caaggaggtg 240

tgacagggcg gcgggatgga tgggtgcctc gggtgcgagt tcttcggcgc gggggccagg 300

ccggcgatcg caccgaaggc gacggtgggc gggccgcaga ggaggcggag aaacaaaaag 360

accagtagc gcggcatcag gcagcgaccg tggggcaagt gggcggcgga gatccgcgac 420

ccgcgccgcg ccgtgcgggt gtgactcggg accttc 456

<210> 8216

<211> 173

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034h01b1

<400> 8216

ttttctgtgg ctcaaataat tcaagcagca aaagtgttaa tagagctagc aaacatgctg 60

ccctcagttt tgtaaacgc acgatggcac gttgccaaat ctacgaagag gcaggaacaa 120

gctggtttga tgaagcccct ttcaaggatt tgtttatatt agcaacttca cac 173

<210> 8217

<211> 146

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034h02b1

<400> 8217

gtccctgcgt cgggtgcaca cttctctgcc accccgattt ttcctccct ccctgttcc 60
tcgccttatc tgcatagccg actgctgctt cagcttgggc ttagctagcc aggaacgag 120
gaggagcggg ttgttgtcat ggcggg 146

<210> 8218

<211> 437

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034h12b1

<400> 8218

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cgtactgctg ttggtactca tgggtgctaga ccacattcta gtgttgaagg ccgtggccat 120
tttaatcaca cttggcaaaa tcatcagacg tttggtacga gagaaaacac aagtatgcca 180
cacggcggtg ggcccagaac ttttgtcaga ccaatggcac atctgcccc tactcttggg 240
tacctcaatg gaccatcata ccctgggcct atgcctacca tgtattatta catgcctgct 300
ccacccatgg aggcaatgag aggtccacct cgttttgtcc aaaaccaacc agcccccaa 360
cctgttttat cgcctgaagc gactgagcta agagctaata tattagctca agtggagtac 420
tatcttagtg atactaa 437

<210> 8219

<211> 270

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035a01b1

<400> 8219

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gcgcagccgc aaaatgccgt tcaagagggt cgtggagatc gggcgggtgg ccctggtgaa 120
ctacggcaag gactacggcc gcctcgctgt catcgctgac gttgttgacc agaacagggc 180
acttgttgat gctccggaca tgggtcgctg ccagatgaac ttcaagcggc tctctctgac 240
cgacatcaag attgacatca agcggatccc 270

<210> 8220
 <211> 186
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189035a02b1

 <400> 8220

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 acggcgacgt taggaagtcc ggagacgccg gcgggggcct cgggaagagt tatcttttct 120
 gcttaacggc ctgccaaccc tggaacgggt tcagccggag gtagggcca gtggccggaa 180
 gagcac 186

<210> 8221
 <211> 89
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189035a04b1

 <400> 8221

 tctctcggcc gctgaggttt ccgccgcgat ctcgtctcgc tacgcactct ctatctgaga 60
 tctggaatcg ggcgaggcct gcagctcct 89

<210> 8222
 <211> 266
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189035a05b1

 <400> 8222

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 actatccagt ttgttgactg gtgccccact ggctccaagt gtggtatcaa ctaccagcca 120
 cctggtgtcg tcccaggcgg tgaccttgcc aagggtccaaa gggctgtgtg catgatctcc 180
 aactccacca gtgttgtcta ggtcttttcc cgcacgcacc acaagtttga cctgatgtac 240
 gccaagcgtg ccttcgtcca ctggta 266

<210> 8223
 <211> 239
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189035a07b1

 <400> 8223

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 gttgatctct tcctcctcga ccgcctccca gggatatgctc ccctgctctg attcttggtt 120
 gatctctatg gtctgttgct gatctgcagt taagttatgt attagggccc ctttctaggg 180
 agaggatctg tatgattatg gatcgatcct gttcgtcttc cgtggttctt tcttaagcc 239

<210> 8224
 <211> 303
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189035a08b1

 <400> 8224

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 agggccaagg acgagccgca ttgtagactg cctggactca ctcataaagc cagcgtttgg 120
 acagattaga tggtgcgtaa acagttagt ttcggatata cggatcggtg tcgcggcatg 180
 gccgtcttt tctaccttct cttagatcac attgtatcac tcaccatgtc ctgtcaacat 240
 gaccacacgt tcttgtaaa gtttgtgggt gtgggtagag ctgtagacag tttggcacia 300
 cct 303

<210> 8225
 <211> 251
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189035a10b1

 <400> 8225

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 cactatccag tttgttgact ggtgccccac tggcttcaag tgtggtatca actaccagcc 120
 acctggtgtc gtcccaggcg gtgaccttgc caaggccag agggctgtgt gcatgatctc 180

caactccacc agtgttgctg aggtcttttc ccgcatcgac cacaagtttg acctgatgta 240
cgccaagcgt g 251

<210> 8226
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035a11b1

<400> 8226

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ggtcgtcgcg gctccaatgg tgaccaggtg gagccagaag agccccggcc tcaagatcct 120
gtggatctgg aactgggca ccgccgcat catgatcacg aacgtcgctc ggacgcgcgt 180
caacgatatg cagatgatcc tccgggagga agacgaagcc gtcggctctg gcgggcgcg 240
cacggcgcg gggccctccg gcgagcgct catgagggac gacgagttga attgagcagc 300
aagtgaagaa gaggctcgtt gagcttgagc gactctacat agcaaaattc gcggaagcc 359

<210> 8227
<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035a12b1

<400> 8227

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gccggggccg gatgcccacg gctaacgtgc gcgcggcgca gactagcgcc gaccgcaggt 120
taagtacgct ggtgcgccac ctgctggctt cttgcccacg aacatgagca gcgaccgcca 180
cctccgccga ctgctccaa cctttcccca ccatggcagt cgccctccgt cttcgccggg 240
atcgcgcagg gcccgaggga ccccatcctc ggggtgacgg tcgcgtacaa caaggatccc 300
agccccgtca aggtcaacct cggcgctcggc gcctaccgga ccgaggaagg gaagcccctc 360
gtgctgaatg tggtaagcg cgccgagcag atgctgat 398

<210> 8228
<211> 307

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189035b02b1
 <400> 8228
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 ggagtctgac ccggcagctg atcctggaga tagcccgac gccattgagg tcggcatcga 180
 gttcaagccg gtggagcacc ctgtggagcc tgtcaacctt gaccaaccag tgaaatgcc 240
 gctttctgag ccatctatac tgcattgatg gaggatatgg caagagagga tgtctacagc 300
 gggcggg 307

<210> 8229
 <211> 188
 <212> DNA
 <213> *Triticum aestivum*
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 <400> 8229
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 ggagaccgag ccagcagctg ctgtctagcc ggatgccgag gcgcccaaag agccagaggc 120
 gccagccgtg gtcgagacag agaccaagga ggccgtggca gaggccgagc cggcgggtggt 180
 cgatgagg 188

<210> 8230
 <211> 166
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189035b05b1
 <400> 8230
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 acgatcccca catgcgatta tatccccggg aatcctgaga caaggctgtt gatgcgcac 120
 acaggtctgc tcccatgggt cgggttgcag ctcaccaagg acgtat 166

<210> 8231
 <211> 319
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189035b07b1

 <400> 8231

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 gaagaagaag aagtggagca agggcaagca aaaggagaag gtgaacaacg cgtgctctt 180
 cgaccaggcc acctacgaca agctgctcac cgaggtgccc aagtacaagc agatcacgcc 240
 ctccgtcctc tccgagcgcc tcaggatcaa cgggtcactg gctcgaggg ccatcaagga 300
 cctgatggag aggggggctc 319

<210> 8232
 <211> 418
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189035b09b1

 <400> 8232

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 aacgcacgaa cgagctggcg gcatggcgag gccgtacatc tccctgcacc tctggctggc 120
 cgtcctggcc atggccgacg ccgcgtccga ggccgggttc tacgaccagt tcgacgtggt 180
 cggctccggc aacaacgagc gcgtgaacga cgatggcctg gccagcagg tggcgctcac 240
 gctcgaccag ggcaacggcg gctccggcta cagctccaag gacaagtacc tctacggcga 300
 gatcagcgtc cagatgaagc tcatcggcg caactccgcc ggcaccgaca cctccttcta 360
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<210> 8233
 <211> 319
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189035b10b1

 <400> 8233

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caggtctgct cccatggctc gggttgcagc tcaccaagga cgtatcttcc ctccgggtcag 180
cttcgcctct acaagaacag aaccagaagg cctactatgt ggcaccaat atctcaggat 240
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aatcatctc actggaaga 319

<210> 8234
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035b11b1

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tggcaaaacc acatttgatga agaggcatct cactggagag tttgagaaga aatacgaacc 180
caccattggt gttgaagttc acccgttggg tttcaccact aactgtggaa agatccgttt 240
ctactgctgg gacactgctg ggcaagagaa gtttggtggc cttagggatg gatactatat 300
ccatggtcag tgtgcgatta tcatgtttga tgtcacttca aggctgacct acaagaatgt 360
tcctacgtgg cacagggg 378

<210> 8235
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035b12b1

<400> 8235
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atgccgaggt cgtccaagaa gaagcagcgg tcggcgtggg gtcgctcct gggcagctgc 180
ctgggcgggg gcggctggaa gacggggaag caggtccggc ccggccccgg cccgaggaag 240

cgcgagtcgt cgtcggcggc ggtgggggcc ggagtcgggc agcggctgtc gttcacggac 300
 gtgatgagca tgagcgcggc gtcggagcag gagctgtccg tgcgctggt tggctccaac 360
 ctgcacgtgt tcacggtcgc 380

<210> 8236
 <211> 277
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsrow189035c01b1

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 tcgggagacc gaagcgaaac cccaaggaac tatagtccca gtgtgacatt caaaagcagt 120
 caagatggtg aagttcacag cggaggagct ccgtggaatt atggataaaa agaataatat 180
 tcgcaacatg tctgttattg ctcatgttga ccacggcaag tctacgctta cggattccct 240
 tgtggcagct gctgggatta tcgcccanga agttgct 277

<210> 8237
 <211> 400
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189035c02b1

<400> 8237
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 tggatttatc acagagtact acacaagcaa tgcatacaga cctgtgcagg atgttgctga 120
 ttctgcaga actggagctg caaccaatgt catctttggt cttgctctgg gatacaaatc 180
 agctattatc cctatcttcg ccattgcctt cagtattttc ctcagcttca gccttgccgc 240
 gatgtatggt gttgctgtgg ctgctcttgg aatgctcagc acaattgcga ccggtcttgc 300
 cattgatgcc tatggcccta tcagtgacaa cgctggaggc attgctgaaa tggctggcat 360
 gagccacaga atacgtgaaa gaactgatgc tctggatgct 400

<210> 8238

<211> 379
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189035c03b1
 <400> 8238
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 ttctgttata attgacgcta cggatgttct tcgtgctcgg gcaaaggcag agtccccgga 120
 tgaacctatt ctatgccgcg gatccccatt ccatatccat gtagttggta cagagtagca 180
 aacactgttt ggtgtagttt agaggcagcg atttcacat gacatgtgca gctgtgaaga 240
 tcatgtacaa gagcattatt cccatgtaca cttgtgattt atttgagcca cttggaggct 300
 tcctttgtaa tacacttggtg tttgtgtaca gtgtaaaagc atccgccaag gttaatatgg 360
 tgcactggtg cacttaacc 379

<210> 8239
 <211> 342
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189035c06b1
 <400> 8239
 gcgtccgccc acgcgtccgc cactgaaca gttgcagaac caaatggagc aagattatga 60
 tatcgatct accatcagag acaagattat tccacatgct gtttcatggt tctactggaga 120
 ggccgctcaa gatgaggact ttgacggcat catggatgat gatgaagatg atgacgaaga 180
 tgatgaggag gatgaagatg aggatgagga tgacgaggaa gatgaagatg atgacgatgg 240
 tgataagaag aaggggtgggc gagttcctgc aggggaaggt caggcagggg agcggcccgc 300
 ggagtgaag caacagtgaag gtccttccca gatgaagact at 342

<210> 8240
 <211> 334
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189035c07b1
 <400> 8240

tcccacgcgt ccgagacagc cagccaccac acgccgacgc caaactcgcc gaccaatcga 60
aggctcggga ggagcgacga tggcccgcg ctgcggtgc cccgtcggcg ccgcgtcct 120
cgccctctcc ctgcgcgtcc tctcgcgcg cccggccgtc cccggggccg ccgggttcca 180
cctcggcggc gacgagagcg gctcgtgcg gggcatgctc gccgccgtcc gcgagcgggc 240
cgaggccgag gacgccgcg gcttcgccgt cgccgagcac aacaggaagc agggttctgc 300
attggagtta cacgagttgt gaatgcaaaa aggc 334

<210> 8241
<211> 219
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189035c08b1

<400> 8241
tccgactcca tggacgtcc tgacgtgtg cagtccgact ctgaagagcc ttctgaagag 60
gagcctgcct cctcctcctg atagttcaga gagaaaatgc ctctgtgtat ttattccctg 120
atgaatgtgc tccagattca gaaatagcat tagcaggcaa acaattgttc agatgagaca 180
tttgagatga tctgcagggt gcgggtgaca catcactga 219

<210> 8242
<211> 441
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189035c09b1

<400> 8242
tgcggcagca acagcaatag cagcaatacc tgcagctgca gccaccacc aaccgcgcca 60
cgccatttac caccatataa tcatcaccg ccccaggct tgcggggagc gaagccaagc 120
cagtcttggt ttggaagaac gcctcaccat ccatcagagc agctcggctt gcagatcgag 180
agtgagggag tgagaggcaa tggcgacttc gttccagggg acgaccacca agtgcaacgc 240
ctgcgacaga cgggtgtacct cgtcgacaag ctcaccgccg acaaccgggt ctaccacaag 300
gcctgcttca ggtgccacca ctgcaagggc accctcaagc tcgccaatta caactcgttc 360
gaaggagtgc tctactgcag gcctcacttt gaccagctct tcaagaggac cgggagcctc 420

gacaagagct tcgaaggcac t

441

<210> 8243
<211> 392
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189035c10b1

<400> 8243

ctgtcggcgc gtcccgacga ggcagccctg tccgccgtcc ccctcatccg ccggggccatc 60
gccgcagaga ccgcgggtcgc cgtgggtcagc accgacggcc acctcgtcgg cgagatctcc 120
accgcgcacc tcgctgcctg cgacgagacg gcagccgcgg ccatcgccac gctctcggcg 180
gccgacctca tggcatacat cgactacttc ggctcgccgc cagagcacat cctgcgcgcc 240
atcaagaccg ggctcaaggc caagggcctt gacgccatgc ttgagctgat ggaggacgag 300
acngatgacg tcgtttctccc tctcttcttc gtcgtcagat gacgacaccg gccggccgca 360
cctgaggcgc ccgtcgtcgg ggagctttgg gc 392

<210> 8244
<211> 490
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035c11b1

<400> 8244

tatcgtgttc cagccaggag ctatgcccaa ggctgaacat gttgatgtca ctgcacattg 60
ggcggttgta aaagaggaag catccggcaa caacgggtgt gattggtttg acccaggcat 120
aggcatgggg aacctgccgt cccttcggaa ggttaaagtc agagtcgact ctcataaaat 180
gacggtcggg gaggccaagc aagccaaggc agcgtcggag aacgcactcc gtgcccattc 240
taaccgtccc ctgttttgcg tcgagttcag gtggtccata aaagaaggcg ctcatgatga 300
cgacctctgc tagtgtggtc gcagcgaaga acgttcgtgc aggccgtcaa tgtttactgg 360
agacgcgctt ttgcaaacta tatgcgtagc gcatgctgca atattgatca acgctcgtta 420
ctcactgagc ttatttcttg gcttcacaaa aaaaatggaa aaattgtatg aaaaaaaaaac 480
aaacaaaata 490

<210> 8245
 <211> 327
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189035c12b1

 <400> 8245

 ttacggaata cgggtggcga taaagcgggc gcagtccggg tcgatgcagg gcgcgccgga 60
 gttcaagaac gagatcgagc tgctgtcccg gggtcaccac aggaacctgg tgagcctgat 120
 cggcttctgc ttccagcaag gggagcagat gctgggtttac gagttcgtcg ccggtgggac 180
 gctgagggag aaccttggtg ttagagggac gtacttgggc tggaagaaga ggctgaggat 240
 cgcgctcggg tcggcgaggg ggctggcgta cttcatgag ctgcgcgacc cgccgatcat 300
 ccaccgcat atcaagtcca ccaacat 327

<210> 8246
 <211> 319
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189035d01b1

 <400> 8246

 tgcttaatta ccctgacaga cattgttagg tcttgtgtta gtgaagctag ctaggtaaga 60
 aaaaccatgg cggcttcccg cgccttggct gcaactgcttg ctgtggtggt attcatggtc 120
 tgctctcccg cgcctcgtgt tctcgccact gacccccacc agctccagga cttctgcgtt 180
 gctgatataa tgaacctgtg gattgtgaat ggggtcgtgt gcaagaacat gaagatggta 240
 acggcgaacg acttcttctt gcccgggctt aacaagccgg gcatgttgaa cgctcagggc 300
 tcggcgggtga caccgggtga 319

<210> 8247
 <211> 212
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189035d02b1

 <400> 8247

ttgattctgt ggtgctctag catagttgcg tggcagaact gagagtagaa tgtcactgag 60
 tgtgtatggt gtgttatagt tgggtgaataa aggagcgaac agaagtgaat gtgtgatgtg 120
 ttaccctgat ctgtaatagt atgatgtttc attgttacgt gtgctctcgt ggttcaagta 180
 gcaggaccgg ctatgttatg agtttttgac aa 212

<210> 8248
 <211> 427
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189035d03b1
 <400> 8248

tcttatccag tttccctcaa cagtgagaac ctgcaacttc tgagacaaag atattattat 60
 gctacgtgga aagctgatgg aacacgatac atgatgctta taatgcggga tggctgtttc 120
 ttaatagacc gaaacttctg ctttagaaga gttcagatgc gttttcctat taggaatgtt 180
 aacgatgggt tccacaactt tacattgatc gatggagaaa tggttgtaga cgccatacca 240
 ggtggtggat tgaagcggag gtacttagcg tatgatctaa tggcaattaa tttctcctcc 300
 aaagtcaagt tgcccttttc tgacagggtg aagctacttg aggatgaaat aattcgcca 360
 cgcacatgat agagaaagca gtttgaaact ggtctgaagg caatccatca tacagatatg 420
 acctgga 427

<210> 8249
 <211> 226
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189035d04b1
 <400> 8249

tacaagggaa accaatcgag cgagcaaact actcgagcc accacaaatt cgaaacacct 60
 cctgcctctt gcctgcctgc aggaaccgag aaaagaaatg gaggcggcgg tcggcggcag 120
 ctggacacgc gtccgcacgc tcggccgcgg cgcgtccggc gccgtggtgt ccctcgccgc 180
 cgacgacctc ttgggcgcgc tcttcgccgt caagtcggcg cccgct 226

<210> 8250
 <211> 284
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189035d05b1

 <400> 8250

 tacaaggacc ccaacttcaa taagattgag agtatgattg caaggggaagc actcattcaa 60
 tgtgctgagg ttctcgatat gtaatctaata ggacatacag ggccaaatga gtcacatttg 120
 gcataatgct gagcccatca acagatagcc atgcctgtct cagcctcagt gctgctagat 180
 tatgacataa accggagatg acggggagcg cctccgactt ccaccaaagc aactgtggcc 240
 ataagtgcgc gatgtccacc tcccggagga cgaggccagc ggca 284

<210> 8251
 <211> 376
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189035d06b1

 <400> 8251

 tcttaggttt cagttctcct cgcctccgg tctcgagagc tcgccagaat ggtcgccac 60
 aggttccacc agtaccagggt ggtgggtcgc gcgctgccga cccccggcga tgagcagccc 120
 aagatctacc gcatgaagct ctgggccacc aatgagggtcc gcgccaagtc caagttctgg 180
 tacttctga ggaagctcaa gaaggtgaag aaggccaacg gccagatgct cgccatcaac 240
 gagatctttg agaagaaccc caccaccatc aagaactacg gcatctggct gaggtaccag 300
 agcaggaccg gttaccacaa catgtacaag gagtaccgtg acacgaccct caacggcggg 360
 gtggagcaga tgtaca 376

<210> 8252
 <211> 350
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189035d07b1

 <400> 8252

 tgcccgtcc tcctccccgt ccgtcccccac acacacacgc acgcgtttga cattttccgc 60

ccaccaccgc cggaggggagc tccagccatg gccgccaagt gctacccgac ggtcagcgac 120
gagtacctgg ccgccgtcgc caaggccaag cgcaagctcc gcggcttcat cgccgagaag 180
aactgcgcgc cccttatgct ccgcctcgcg tggcactcgg ccgggacctt cgacgtggcc 240
accaagaccg gcggggccctt cggcaccatg aagtgtcccg cggagctcgc gcacggcgcc 300
aacgcgggcc tcgacatcgc cgtcaggctg ctcgagccca tcaaggagca 350

<210> 8253
<211> 373
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189035d08b1
<400> 8253

tcggacgcgt gggggccata gccagagaga cccagcaacc ggagcaagct ccacaccggt 60
caagttcttg caagagagga aaaagaaatc gaagaggcag agatgggaag aaggagaagc 120
ccggctctgc cgctgctgct gatctttggc gtcctcgcg tcgtcctcgc ggctcttccc 180
tcctccacgc ccgcccagca ccaccagcag cagcaccacc agcagcagca gctggatcgc 240
gagcagtacc accaccgcc gtcgcaggag cagcagcagc cgccgcatca gcagcacctg 300
caaatccagg tgcattcagca gcaggaggat gggggcggcg gcgggggaaa gggagcagca 360
gcagcagcag cag 373

<210> 8254
<211> 350
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189035d09b1
<400> 8254

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caaaggcgcc gccatggccc gtacgaagca gaccgcccgc aagtccaccg gcggcaaggc 120
gccccgcaag cagctcgcca ccaaggcggc gaggaagtct gcgccgacga ccggcgaggt 180
gaagaagccc caccgctaca ggcccgggac cgtggcgctc cgggagatcc gcaagtacca 240
gaagagcacg gagctgctga tccgcaagct gcctttccag cgcttggtcc gcgagatcgc 300

gcaggacttc aagacggacc tcaggttcca gagccacgcc gtgctggccc 350

<210> 8255
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d10b1

<400> 8255

cttgggtactt ctgctctcac taactgaata cttctcccct tcctaccttt cgcccccgcg 60
tcgccccgca ggggcggctc gggcggaacc ctaaagccg ccaccgccc cccctctccc 120
tcacccccctc tcgcccgcgt cggcgctcgt cgggtgggcaa agcccgttgg cggccgacga 180
cggcggggatc tggcgctcgc gctggtcggg cagccccctc gcagtgggtg gtgttggtga 240
gttttttggt gcgagatctg gagctcgagt gacggcgac ggcagagctt cgcagtgggg 300
tggaggtgtg cggctggggc tcgcaagagg agttggtcgc ggcgcggtgg tccctcctgg 360
agccaacgac ac 372

<210> 8256
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d12b1

<400> 8256

tcgtacagaa gccatcttgc tccgttccag ctgaggcgag cagcgaccac cttccggcga 60
gggcagtggg cagcagcgat ggagggcaag gaggaggacg tcgggctcgg ggcgaacaag 120
tactcggagc gtcagcccat cggcacggcg gcgcaggggt ccgaggacaa ggactacaag 180
gagccccgc cggcgccgct tttcgagccc ggcgagctca agtcctggtc cttctaccgc 240
gccggcatcg ccgagttcat ggccacctc ctcttcctct acgtcaccat cctcaccgtg 300
atgggggtaca ggggcgcgc ctccaagtgc gccaccgtcg gcatccaggg catcgcttgg 360
tccttcggcg gcatgate 378

<210> 8257
<211> 350

<212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189035e01b1
 <400> 8257
 tcgttcgcgt ggggttgtca atgacaggat tcttgattc cgctttacag atgttggtcaa 60
 actcccacca ccagtgtctg agtttgctga tgtcacattt gggttacctc cggataatct 120
 catctacaag aaccttgact tcggtgttga ccttgactcg agagttgcac tggtcggtcc 180
 caatggggct ggtaagagca cacttctgaa gctcatgaca ggtgacctat ctccgttgga 240
 tggcatggtc agacgccaca accacctacg cattgtacaa ttcatcaac atcttactga 300
 gaagctggac ctggacatgc ccgacctgca gtacatgatg agggagtacc 350

<210> 8258
 <211> 372
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189035e02b1
 <400> 8258
 tcgttgatcc tgatcctcca ggccgtcctg gtcatgggga tcctctcaca cgtgaacgcc 60
 gactatttcc ccaagtgtctg caacagttgc aggtccttct cgggggtcga cgtctgcgac 120
 gacgccacc ccagtgtccc caagggctgc tcggcctgcc gcgtgggtgac gccagccct 180
 cacaagacgt tccggtgcgc cgacatgaag agcaccgtcg acggcacctg cggcgggcca 240
 tgcaaaaagc actgatccgt tcagggcttc aggctcagac gaggtgtgcc gcctaaaata 300
 aagctcagat gagatgagca gtcatgggtgc ctatgcttgt gtgtgggtcg tgctatacgg 360
 ccaacagtat gt 372

<210> 8259
 <211> 322
 <212> DNA
 <213> *Triticum aestivum*
 <223> Clone ID: uC-tsrow189035e03b1
 <400> 8259
 tcctacgcgt ccgccacgc gtccgatctt cccgatacc aaagctcatc ttcttctcct 60

tgaaatcttt ttgggttcac agatttggag gatgtcttgc aactgtggat cgggttgacg 120
ctgcgggtca gactgcaagt gcggaagat gtaccctgat ctgacggagc agggcagcgc 180
cgccgcccag gtcgccgccc tggctgtcct cggcgtggcg cctgagaaca aggcggggca 240
gttcgaggtg gccgccgggc agtcggcgga gggctgcagc tgcggcgaca actgcaagtg 300
caaccctgc aactgttaag ct 322

<210> 8260
<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035e04b1

<400> 8260

ttcagcatta ctgagttatt cagataacgt gaggggcaat ggggtggatc aagcatccca 60
tagtttaaca gttgcaactc gtaatacttt cggagagctt gatcaaagcg ttcgaccagt 120
tgcacctctt cacttcttac agatgctgcg gaaaaaatac cccaatttg ctcaacagca 180
aaataatgtt tacatgcagc acgacgcaga ggagtgtgga acacagctga tctatacgct 240
ttctcaaaca cttacatcag aagcaagtga acctactgct gctcagatga aggaactctt 300
cgggattgat cttgtgagca gggtaactg tgcaaaaagt ggtgaggaga gttcagaggc 360
agagtcggtt tattctctga agtgccatat atctcatgat gtaaaccacc ttcaggaagg 420
actgaagcat ggtttg 436

<210> 8261
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035e06b1

<400> 8261

tgtggaagag aaggtcttgt tgacacagcg gtcaaacag cagaaactgg atacatgtcc 60
cgtagggttaa tgaaggggtt ggaagatctc tcagtcttct atgatcagac agtccgcaac 120
gctagtgggtg gtatagttca atttgtctat ggagatgatg gcatggatcc tgtaaagatg 180
gaaggaaaag gtggcaatcc cttgaatctg gaccaattgt ttatgaaagt catggccaca 240

<210> 8264
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035e11b1

<400> 8264

tcccgctcgc cgcacctacc ctaccgcgag cgtcagagcc gcacgagcgc cgcggccaaa 60
gagagcttgc ttgcttggcc cgctccgatg gcccgcgacg gcgcgtcggc ggagcggcgc 120
cgggtggcgc tgccgggtcct gctcgcgcgc ggcgagggct cctcgtcgtc ctccccgccg 180
ccgcgggggc ccgaggagga ggcgcggcgg ggcaagcagc agtggctcgc gctccgcctg 240
cgcgacctcg gctgcgcgtc cgccgccgcc tcccggggcc acgcgcccggt cgccgcctcg 300
gcctccgtgc gcccggcccc ggacgcgt 328

<210> 8265
<211> 215
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035e12b1

<400> 8265

tttggggaaa gcctcctgtg gatgagcatg gacgccccct ctacggagat gtttttggtg 60
tcctacagct ggatgaacct aattatgatg aggagcctgt tgaccgcagc aagcattggg 120
gagacttga ggaggaagag gaagaggagg aggaagatga ggaggaagag gaaggaggaa 180
ctaattgaag atgaagacat ggaagctggc atgca 215

<210> 8266
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035f01b1

<400> 8266

tgaagaaaga agatcgagcg agcgagaaat cccaatccc caccaaacc taaccctaac 60
cctaaccctg attgaaacga ccaggagagg agaggagagg agcggatccg gcgatggccg 120

tcgagaagat gcacttgatc atgccgttgc ccgccggctt ggagggtttc cccttcacca 180
 cggtccaggc ggagctggag gccttcaccg tcaagttgag ggcgaggcg aagaaggcca 240
 aggccaagcc ggaggtcaag gaggccaagg ccaaggagga gaaggccaag ccggaggtca 300
 aggcca 306

<210> 8267
 <211> 400
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189035f02b1
 <400> 8267

tcccacgcgt ccgccacgc gtccgaggac gcgtgggggt ttgcactacc tccatgagga 60
 atgccatatt gttcatcttg acttgaaacc tcaaaatata ttgatggatg ctaccatggt 120
 accgaaaatt gcggactttg gtttatcaag gatctttggt gagaagcaat cccaaatcat 180
 cactcaaaat tgtcaggga cagaggata catggcacca gagtacataa tccaaggcat 240
 agtctccatc aaggcagata tatacagttt ggggtgcata attatcgaga tacttactgg 300
 ctctagatca tatccctca gagaggacaa tagtcgtgag tgtaccgaca agtctatcca 360
 acaattcaaa gagcaaatac ttgaaacttg ggggaaaaga 400

<210> 8268
 <211> 309
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189035f03b1
 <400> 8268

tgtgctccga accaacctgt tggaatggtt ggtttgactg acagcatgcc tgctgaagtt 60
 ggtacttctg agccgcagca gatgaatagt tctgacaatg ccatgcaaga gccgcagtct 120
 gaaaatgttg ctgacaagtc agcagatgat ggctacaact ggcgcaaata tgggcagaag 180
 catgtcaagg gaagtgaaaa ccctagaagt tattacaagt gcacacatcc taattgtgaa 240
 gtaaaaaagc tattggagcg tgcggttgat ggtctgatac cgaagttgtc tataaggggc 300
 gccataatc 309

<210> 8269
 <211> 382
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189035f06b1

 <400> 8269

 ttaggggaaa agccgaagtt gggggtacaa gatgattgag gtctatgtac tttgaaagaa 60
 cggaacata tcggaataat ggaaatggtg aacttctgta cataaataac ttgatttttc 120
 tttgtattac tgtcggcgag agctgtcagt tttgctccat attcatgtgg caatgtgatt 180
 tatttttctg ggtttgaagc acttctgcag ttatgcttct gtaggagttc agcgttgtaa 240
 tagttcggag tatgtttaga tctgtaatag aataacaaga ccaaacttca gtaagataga 300
 atggtaatga actgctagtt ttgggggctg ttggctcaac cgtggtactt attaaaccag 360
 ggttgatgta taggaacagt at 382

<210> 8270
 <211> 326
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189035f08b1

 <400> 8270

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 cttttgtaaa cacaatggcg ggcgcggcga tgtttcttaa ggcgacgagg aaagcctccg 120
 tgggcggccg ggcgtggcgg ctgctgcggc tggcgtgct ctgggcgcgg aaggggagcg 180
 cggcgagag cctccgcctg ctcaagacgc tgcggcacag ccgcgtcggc ggcctcggcc 240
 tcggcgccg gcgcaacgac cggctgcact acggcgagcg ggagttctcc atcgacgaga 300
 cgccggcggt ccggttccgc accccc 326

<210> 8271
 <211> 316
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189035f09b1

<400> 8271

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ccaaggcgat ggcgactgct ctcaaccgcg gcctccgctc egggatccgc ctgctcgcca 120
ccggcgccga ggcctccaag ccagcttcac gtggattcca tgctaccggt gtgaagagga 180
tgtcagggca tggccatgat gagccatact acctccacgc caagcacatg tacaacttgc 240
acaggatgaa gcatcagaag ctgactgcat ggacttcggt gctgggagct gtaagcattg 300
gtgtcgggtgt cccggt 316

<210> 8272

<211> 340

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035f11b1

<400> 8272

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cgccggtgcc gcccccggtg accgctggcc cggggccggca gacgccgcct tcgacacgtc 120
tacccttgcc gccgcctggt cctccgcctg ccggggcggt ccgcctcggc gtctcgtgga 180
gccagatcgt ccgtgcggaa tcggcgggca gcgttcaagg ccctggcttt tcggtccctt 240
ttgagccggt ggtgtcgtcg gtgctctcgc gcacgctggt ggatgatcca gtggactgcg 300
tcttcctgga gtcaggtctg gacttgtggg ccctggagga 340

<210> 8273

<211> 399

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035f12b1

<400> 8273

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ggagacgaca gacccccaca gagtggtggt gcgtataatg aacaaaggca gcatccacaa 120
aaaggagacg cacggaacaa gcgacgacat aagcgagaac acgcctgtgg agaaggtcag 180
gggcccgaat ctgtttgaac ggaccaagga agagatcgag gctcttgtgg cggctgttca 240

cgataagatg gagcaccatt ccagtccccg cggaaggag ggtgaattgc acaaggattc 300
 caaggaacac agcaaggcag acatgcataa gaagaccac gagaacgaaa ctcatggtac 360
 aagcaatgat ataagtgagg acacgccggt cagcaaagt 399

<210> 8274
 <211> 294
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189035g01b1
 <400> 8274

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 gtcgccccac cccgcccacc acctgctcga cgcgctgccc ccgtagacgc accaccgccg 120
 ccttcgcagg cgccggcgat tttgcccgcc gcgcctagg gccttctcct tcccctgctc 180
 cctccgctgc cgcgccgccg ccgacgccgc gccgcagccg gcggctgctg cagcgaggac 240
 caggggtgttc gacgtgtcgg acctgcacac cgactaccgc gagaacatgg agtg 294

<210> 8275
 <211> 366
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsrow189035g02b1
 <400> 8275

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 aggagtaccc agataggatg atgttgacat tctcagtctt cccatcaccg aaggtgtctg 180
 acactgtggt ggagccttac aatgctacac tttctgtaca ccaacttgtc gagaatgctg 240
 atgagtgcac ggtgcttgac aatgaggctc tctatgacat ctgcttccgc actctgaagc 300
 ttgctacacc cacantttgg tgatctgaac catcttatat ctgcaaccat gagtggcgctc 360
 acttgt 366

<210> 8276

<211> 317
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189035g03b1

 <400> 8276

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 tcctcatacc tacaaattat taggtcgtgc ttttcggctt ccttctgtct ccttagcttt 120
 ccccatthtat tgcaaccttc tcaaattctca agattccaac tggtaagga agtgaagaac 180
 aaggacagaa ggacatggat gccttaagtt caatgctcga caaggcgaaa gacaaggtga 240
 aaagcaaccc tgatgtgatg gagaaagtca attcggctct cgacaagggt aagaaccacc 300
 cagaagtcac ggagaaa 317

<210> 8277
 <211> 429
 <212> DNA
 <213> Triticum aestivum

 <223> unsure at all n locations
 <223> Clone ID: uC-tsrow189035g04b1

 <400> 8277

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 ctttcccatc cgtcctccgc tgccgtggct gtaccgcact gccgcgctcg ccgttccac 120
 acaccctcac tagccactcc cattattccc acctgtccca gttgatcttc cgatcgctg 180
 ccggttcacc ttctctctgc gagcagcca ggccggaggc atgtcggcca agaagatcgt 240
 ggtgaagctg gagctgcatg acaacaagga caagcagaag gccatgaagg ccgtctccgt 300
 gtcgctcggc atcgacgcca tatccatgga cctggcgctc cgcaagatga cngtgatcg 360
 gcacggtgga cccggtggcc gtggtgagca agctgcgcaa gggttgggcg gcctacatcg 420
 agtccgctcg 429

<210> 8278
 <211> 235
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189035g05b1

<400> 8278
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 cgtgctcgct ctttgtttcc atatatatgg tatcgtecta gcctgtgtaa ctataagatg 120
 aataaaagtc tcagaaacta agtactccct ccataaagaa atataagagt agtgatctag 180
 acgctcttat atttcttcgc ggagggaggt attttcctga gaatttatac ttctt 235

<210> 8279
 <211> 361
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189035g06b1

<400> 8279
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 cctcgagtcc ctgcacgtgc gccgctgctg caacctccag atggatgatg ccttgagatc 120
 caagtgcgcc aggatcggga acctcaggct tccccgggac cccatcaacg acttcaagta 180
 ccgggcttac ctgcgtatca gtgatgacta ccccggcggt tccgacatcg aggtcgacat 240
 gtacgatgat ctgctggacg tggtcaccga cgaggaggat gccgagttcg atgacatggc 300
 tgattatata gaccgtgtgg gctcggacgc tgacatgtat gatgacgtgt tcgacgatgt 360
 c 361

<210> 8280
 <211> 298
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189035g07b1

<400> 8280
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 tctattcaat gccatgggat caatgtatgc tgcagtacta tacatcggag tgcaaaattc 120
 tggttctggt caaccagttg tcgtggtgga gcgaacagtc ttttaccggg aaagagcagc 180
 tggcatgtat tcagcttttc catatgcatt tggacagggt gctatcgaat ttccgtacgt 240
 attggttcag gctttgatat atggcgggct agtctattcc atgattggat tcgatgga 298

<210> 8281
 <211> 427
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189035g08b1
 <400> 8281
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 tacgaatgca taatatcacg tgccttttat tgagttaatt tacaacattg cacatgtttt 120
 ctgtgtggtg ttaactttat agttctgtaa tacactagac ttgctctggc taagtttctc 180
 cgaatatata tggtagaata gcctactaat ttttttaggt ttagcacata aattaaagca 240
 cagttactgg gttttagaa ttgtaggcct ggttaattgt gtggcgcacc actgcaaccc 300
 aagtgttccc tgttcttggt agccattgaa caaacgcagc gttcgctgct cagtgtcagg 360
 gccctgctga ggttaatgtg gtgaaagatg tgtaaagctc actagcgggc ttgaaccagc 420
 ttaaacg 427

<210> 8282
 <211> 333
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189035g09b1
 <400> 8282
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 aactgcggaa ggggtcccgc tccggcgacg atggtgcgct gcaggcagtg cagcgccagc 120
 gtcgccgcgc ctgccggcgc ccgtgccgctc cagtgcgcgc agtgctgctg cgtgacccgc 180
 gtgagcgggg ctggccgaca gctcagtgtg atgcgccccca tcccgaactt tggcggtggc 240
 cgcggaaga agcgcgccgt gctcgctcgt atcaagtaca ccaagacgcg tgcctgcgag 300
 ctgagggggc ccatcaacga cgtcaagtgc atg 333

<210> 8283
 <211> 303
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g10b1

<400> 8283

tttgttggat tctgggattc attggggagc agcacctgta gtgaaggga tacgggatgc 60
aactcttgat ttactgcaca tccttgtagc tgtacatgcc gaggtatact cgggtgctag 120
gcctttgttg gagaaaacga tgaaaatttt ggctcgagggt ttggctgaca tctttgttag 180
tcttttttat gagaacaagg ccaaagatct cagaatgttg gatgcaaag gttttgtca 240
gctcatgcta gagctcgagt attttgaaac cgtgttaaac acatacttct ctactgaggc 300
aca 303

<210> 8284

<211> 404

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g11b1

<400> 8284

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cctgggagga agacctctac acagagttag attcaacttt acggacaatg ctgggctgcg 120
tggaattcct ggtttacatg agtgtggccc tcatttatca gtcgctgcaa agatcggcat 180
ggctttcggg gtacttgtag cttttctgtt tctagttgta tttgctgcat gctggtggaa 240
aaggaggcaa aacgttatcc gtggtcagaa attagctgca gcaagggaag ctccgtatgc 300
taaataagg acccagttta cacgggatgt gcagatgggc aagcaccacc gcccgcatga 360
gacgagccca cggggtggca acaatgaaag ctcgccacat ttgc 404

<210> 8285

<211> 308

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g12b1

<400> 8285

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cgagcctctt cttccccgat catggagcag actttcatca tgatcaagcc cgacggcgtc 120

cagagaggcc tgatcgggga tatcatcagc cgattcgaga agaaagggta ctacttgaag 180
 gggatgaagt ttatgaatgt ggataaatcc ttcgcgcagc agcactatgc cgatctctct 240
 gccagccct tctttgcaa gttggtggat tacatcattt ccggccctgt tgtggccatg 300
 gtgtggga 308

<210> 8286
 <211> 220
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189035h01b1
 <400> 8286

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 cgtcgggtctc ggccgccgcg gcgagggtct caaccttccc cctcgacgcc ctcaagacgc 120
 gcctccagct ccgccgcagc accggtggtg gtggtggtag cggcggtggc gtcttacgcg 180
 tcgcggggcga gctcgtccgc gacgggggggt tctaccgggg 220

<210> 8287
 <211> 284
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189035h02b1
 <400> 8287

ttcttaaacc caaccccgcc gccgccactg ccgtcgcgcg cgcagcgcgcc ggaggcgacc 60
 accccgcctt cgccaagatg cagatcttcg tgaagaccct gacgggcaag accatcacgc 120
 tggaggtgga gtctcggac accatcgaca acgtcaaggc caagatccag gacaaggagg 180
 ggatccccgc ggaccagcag cgtctcatct tcgccggcaa gcagctcgag gacggtcgca 240
 ccctcgccga ctacaacatc cagaaggagt ccacctcca cctg 284

<210> 8288
 <211> 313
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189035h03b1

<400> 8288

ttcttatgga ccagattgca gtagttggtc aaaattggcc tgatcaagcc gaacaaaatc 60

cgatctttta tgaaattatg tggtaggcaga gcaggcaggc aggggtggta cctccaagga 120

gaggatatac aggtacacct gagtcattat acaattttgg aagaaacaac agagttcatg 180

cacctggaaa aaaagggggc aaggggagct ctgctagggg agattcagca agtgccaccc 240

catggtgcag ggcgttggcg atggatgac attactcctg agggggaatg gggctgggcg 300

tggcagcctg ctc 313

<210> 8289

<211> 310

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035h04b1

<400> 8289

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accccggcag atagcgcgat cacgcgcac ccccgaaagg gaatcgggtt aagatttccc 120

gagccgggat gtggcggttg acggcgacgt taggaagtcc ggagacgccg gcgggggcct 180

cggaagagt tatcttttct gcttaacggc ctgccaaccc tggaaacggt tcagccggag 240

gtagggtcca gtggccggaa gagcaccgca cgtcgcgcgg tgtccggtgc gccccggcg 300

gcccataaaa 310

<210> 8290

<211> 175

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035h05b1

<400> 8290

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ggctcctata acattgcacg ttgctttgaa aatgcacag aactgggcta ggccaagat 120

agcttgcggt gtgatgtgtt gtaatgtcaa tggataata attttttttg attgg 175

<210> 8291
 <211> 276
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189035h06b1

 <400> 8291

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 cagaagcaga aggcgctcaa ggtcgtgttc actctccacg gaaagaatgc cctgcttgctc 120
 cttcttctcc aggtccgtcc tagtcatgga cggaggggat tgccaggatc ttcacatgt 180
 ttcagtttga catttccgat gacaacaact gccgcttgcc tcaggcatcg accacatcgc 240
 cgtggacatg aaggaccaga agatgacggt ggtggg 276

<210> 8292
 <211> 224
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189035h07b1

 <400> 8292

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 tgctggtgta cgagtacatg ccccagggca gcctggagaa ccacttgctc cggcggggca 120
 gccagccgcc gctgccgttg tccacgcgcg tctccgctgc cgtcgacgtc gcccgcggcc 180
 tcgccttctt ccaactccgc gacgtcatct tccgggacct caag 224

<210> 8293
 <211> 372
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189035h09b1

 <400> 8293

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 ggtagtgctg ctaatagtgg tcactatgtg gcacatataa aggatgaaag caatgggtcac 120
 tgggtgggagt ttgatgatga gtgtgtatcc agccttggtt ttcacccttt tgggtgaaaaa 180
 ccaggcaagt catctgataa agcggatcag aaatctgaag gtacttctac cgaaggctct 240

gtggcaaatg gtaataacag tagccatcat gatgctgcac cgacttctaa tatgggagaa 300
 gatgttctct tccactgatg cttacatgct aatgtacaaa cgttcgagca aggatgaaaa 360
 tggtattaaa ag 372

<210> 8294
 <211> 349
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189035h10b1
 <400> 8294

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 caatgtgaag aaggctgaag ctacagctcc ttcacccagg cctgtcaaca atgtgaagaa 240
 ggctgaagct acagttcctt cacctgggcc tgtcaacaat gtgaagaagg ctgaagctac 300
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<210> 8295
 <211> 254
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189035h11b1
 <400> 8295

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 atgtcggcgt tcgagtacca cgacacggac ccgcgcttca accgcgtctt caacgagggg 180
 atgaagaacc actccatcat catcaccaag aagctcctcg aggtctaaa ggccttcgag 240
 ggcctcggca ccat 254

<210> 8296
 <211> 73
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a02b1

<400> 8296

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ggtagccgcc gcc 73

<210> 8297

<211> 73

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a03b1

<400> 8297

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gacgcggggg agt 73

<210> 8298

<211> 146

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a05b1

<400> 8298

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gagtttttgc tggaactaat gtgatgcgta tcatcaacga gccaacagca gctgcaattg 120

cctatggtct tgacaagaag gctacc 146

<210> 8299

<211> 213

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a06b1

<400> 8299

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ctcagcagca gcagtcggca ccggagttgg atg 213

<210> 8300
 <211> 336
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189038a07b1
 <400> 8300

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 ttgggatttt cagcatgcat ctttctttgg tgtgtcggcg tcacctagca ccaatgtgtt 180
 tagaactact cctactggac atcattgtcg aaccaatgtt ttaaaactac tgggcaacat 240
 tgtcaagggtt ggaattttcg gacaaagtgc gctctggtga tgaaacctag cttgttcac 300
 attaataaag tataataaag tagaggctgc gatctc 336

<210> 8301
 <211> 367
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189038a08b1
 <400> 8301

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 ccgccgtgct gtgcctgcag ctgccgggtcc acagccgcgc gcagctgcgc gtggggttct 180
 acaacaccac ctgccccaac gccgaggcca tcgtccggca ggccgtcacg gccgccttcg 240
 ccaccaaccc cggcgtcgcc gccggcctca tccgcctcca cttccacgac tgcttcgtcg 300
 agggctgtga ttcacgggtg ctctgtccg tcaaccccg cgagggcacg acggagcgcg 360
 aggcagc 367

<210> 8302
 <211> 442
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a09b1

<400> 8302

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tatcaccctt caagttcctg gttgattttc tggatgatgtc acccttcatt gtgccctctg 120
atgacattcc agttctagac ttcttcagca tttggttcct ggggatgcta ttgctgaaat 180
tctggactaa tttggctcat tggacaaggg acgcgccttt cctggctcat ttcattgatg 240
gaagatggga ctggaagctt actcgggcaa aggatgatgg ctttgcaggg ttgagggcaa 300
agtgggtctt gcaagatata ttgatgcta tcaccatgaa gctagtgatt gttctgtgtg 360
ttccttatgt gcttgcaag ggccttttcc caaggtttgg ctactctgct gcggtgaact 420
cgacggtgta ccatttcgca tg 442

<210> 8303

<211> 362

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a10b1

<400> 8303

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cctggaggat ctaccaaga agagccccta caagaagatc aagtcattgca ggagcaacat 120
caatctagac ggaaaccaga gagattgccc cgtaactggg tctaacaaca gcaaaggaat 180
cgccaagcag agctctgcga gttcctgcgc gaatctgatg atggcgcgga ccagcagcgc 240
caacatgctc tacaggccta cggcgatccc tgtaacaag agcgcgtgcc accagtaggg 300
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<210> 8304

<211> 334

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a11b1

<400> 8304

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tgatgtgtta cccagctca tgggttcagga ggccaagctg gaagagggcg ccctggaagc 180
cctcctactc atgaagaact cagcaattac gctcttagat ctgaggaagt gctttcagtt 240
atccttgggc gtattgcttg ccgaggagga tctggcttta gcccgagtca aagagctgag 300
cataatgcta aaggatactg ctgatgatgt actc 334

<210> 8305
<211> 86
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189038a12b1
<400> 8305

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cgacgtctgc cgcgagttcg cgcagt 86

<210> 8306
<211> 415
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189038b02b1
<400> 8306

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gccaggacaa atttgttcaa gttgctggtg gattttcttg tgctctagat ctggtggagc 120
acattaaagc caagtatggt gattactttg gcataactgt cgctggctat ccagaggcac 180
accctgaggt aatactaggc gaggaaggtg ctacggagga agcatatagc aaagatcttg 240
cttacttgaa gagaaagggt gatgctggtg ctgacgttat agtcacccag cttttctatg 300
ataccgatat ctttctcaag tttgtgaacg actgccgtca gattgggtata acctgccta 360
tcgttcctgg cataatgcca ataaataact acaaaggatt tgtgcgcatg actgg 415

<210> 8307
<211> 465

<212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189038b03b1
 <400> 8307
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 aaagcccctg agctctgtca cattctagcc tcgactcctt ggtcttggga ggagttcgtc 180
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 ggccgcccgtc ccccgatgaa gctgcgcgtc cgctgccgct ccactcctt ctccgtcgcc 300
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 tctgcctct agttgattag atccagctcc gtttcttccc ctttctgtc tttcttcttc 420
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<210> 8308
 <211> 358
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189038b04b1
 <400> 8308
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 aagtttgtga ctggatgttc tcgcgggcca ctcttggtat ttgagtacct tgatcctaaa 180
 ttctgcattc agagagctgg tgtccccggc ttggaggaac atggagaccg tttgccacc 240
 tcggctactt gcatgaacct tcttaagctc cctccttaca gaaccaagga gcagttgcaa 300
 accaaaactgt tgtatgcaat aaactctgaa gccggtttcg atctgagcta attgcatt 358

<210> 8309
 <211> 276
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189038b05b1
 <400> 8309

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 actcaagggc cacgttgaat ccgtggtgaa gctcaagggc cttgacatcg acaccatcaa 180
 ccagaactac accgtgtgag gaaattggac attgaaccaa caaacatgac attcgtgttg 240
 gagctagatt ggaatggagc tccgctttaa gatttt 276

<210> 8310
 <211> 393
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189038b07b1
 <400> 8310

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 gggatgccgg ctctcatgga acatttctgt gaatcttggt agtgataaca tgatctccta 120
 ggagcacatt gtgatctgca cttgctcttg caaaatagtt tctatcaaate aatctgctca 180
 gttgtttcta acttttagtt gtatggaatt tctgtgtgcc tgaacatcat tcttgaaagt 240
 aacaggggaa cttactttct tctgggtattc tattgttcca tcctgcttat gtatcttcta 300
 ctctgtgtaa caggcaagat ttccgacgcc gtagaagtgg ctgggaagga tgtgctatca 360
 acatcgctga cggtgacgac cggctcttgta tct 393

<210> 8311
 <211> 347
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189038b08b1
 <400> 8311

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 gctccagcag ggaggagcgc aggtgaggcc ttccggtcgtg gcggagggac ctccggcggct 120
 cttgctaaac ggcgttccc ctgccgccg gcccatgtcc acctcctcca tcagtcgcaa 180
 gccgacatct agtgccaagc ctcacggcga gctggaattg ctggaaatgc gattcaagaa 240
 gacgaaggaa gagttgtttg atttgctcgt agcagtgaga agggcagaac tttaccaca 300

gtgtgttctgg gaagacatcc aaactcatcg gctcatcact caccttg

347

<210> 8312

<211> 401

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038b10b1

<400> 8312

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cgcgcgatgg gtttgggact gagattgccg ttcttcttac tcctcttgct gctggtcagc 120

ctgggagccg cacaaggccg gagcacaggt atatctcaca caacagccct ttccaatccc 180

atgatgctag ttatgttggt tattcatctc taaatcgaca tcagtggctc ccacatgtaa 240

atcgggaagc acccttaaga acatgtaa atcggaagcac ccttaagatt ttttctgcgc 300

acagctgatg gagggtggtg agctatttag gttggtgttg gaattagaac tggaattaag 360

gatacccttg ttgtgaaatc atcttatgcg agttcccagt a 401

<210> 8313

<211> 331

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038b11b1

<400> 8313

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gacgacaggc acaagcagaa ggctatgcac gtcgtctcgg gtctccacgg tatcgaccag 120

atcgccgtgg acacgaagga ccagaagatg actgtcattg gcaccgtcga ccccgtcgtc 180

ctcgtcgaaa ggctgcgcag caagttcccc atggcacaga tgatctccgt cggccccggc 240

aaggaggaga agacggacgg cgccaagaag gaaggcgaga agaataagg cgacaaggag 300

gagggcgaca agaaggagca agtgggtgtac c 331

<210> 8314

<211> 346

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038c01b1

<400> 8314

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accctgccgt caggggttggg attgtattct gtggaaggca gaccccagga ggccacaatg 180
tcatatgggg actccatgag gccatcaaag ctcaaacgt gaacagcaaa cttattggtt 240
tcctcggagg aaccgatggg cttcttgac aaaaaacttt ggagatcaca aatgaagtgc 300
tttcttctta caaaaaccaa ggtggttatg atatgcttgg tcggac 346

<210> 8315

<211> 345

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038c02b1

<400> 8315

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gctgccagag gttcaacagt attgagtggg ggaccatact ggaactctc gctgggaagg 120
agggattcaa agacagcata tatgaagcta gcaaataaga acctgcctcc acccaatgca 180
aactgcac gtcttgtaaa attcttcgga aggcaaggac tggataaaag ggaccttgta 240
gcactatcag gtagccacac cattggaatg gccagatgtg ttagtttcaa acaacggctc 300
tacaatcagc atagagataa caaacggac atgacactgg agaaa 345

<210> 8316

<211> 411

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038c03b1

<400> 8316

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attccatggg gagcccgccg cttagtgcga tgagctatta gggatcactg ctacggtcac 180

tagtggctgg tcgcctatatt tcacctcacc tagtttctct tttgcaaggc caatattata 240
tactccctcc attcagattt actcgtcgtg gtttttagttt aaatttgaac taaaaccacg 300
acgagtaaatt cggaacggag ggagtatatc ttatgtaatg tatgccagaa ttttgcacct 360
tttttttgca acaccattt atatgtgtgg atcgaggtga ctgctttttt t 411

<210> 8317
<211> 410
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189038c05b1
<400> 8317

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gttgatgttt caagaatgtt tgaaatactt gtacactgcc aagaaaagca ggtgccgatc 120
ataggactgg tgatgaacga cagaggattt atttctcgtg ttctctgccc caaatctggg 180
ggatacctta cttttggctc tcttgaaaaa ggaaaagaat ctgcaccttc acagccaacc 240
gctgcagact tgatcaatgt gtacaacatt agacagatag gccagatac caaggtgttt 300
ggattatttg gaaatcctgt tggacacagt aaaagcccgg ttttgcataa tgaagctttc 360
agatcagtgg gtttgaatgc tgtgtatgtg ccatttttgg tggatgactt 410

<210> 8318
<211> 348
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189038c06b1
<400> 8318

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gggaagttcc tgggggtattc gaaattttgt gggccccctt tacgttcctg cttggctata 120
aagatccaga gccttctaag tcacacttac ccttattgca tgagtggcat ttccgatctg 180
ggcttgatcg gtacatatgg attgttggaa tgatctatgc ttactttcac cctaattgtg 240
aaagatggat ggagaagctg gaagaatctg agactaaggt taggttgctg atcaagggtg 300
ccattgtgac tctatcagtc ctggctggct atctgtggta tgaatata 348

<210> 8319
 <211> 450
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189038c08b1

 <400> 8319

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 atggacatct accttgctg cagctactgc tggaacgtgg agcaaaactta gagtgcaaag 120
 atgaagaagg ggcaattcct ctccatgatg cttgtgctgg aggcttcact gagatagttc 180
 agtacattct cagttttgct gcaaagtctg aggggttgctg aacgcgaatg ctcaacaccg 240
 ttgatgctga aggcgatact ccaactccacc atgctgccag aggggaacac atggacaccg 300
 tcaagcttct gctcgaagct ggcgcatgtc ccaagaagga gaatgcctac gggcaggcag 360
 ccgccgagat ggccgatcaa gataccgaag tccggggcct gttaaccgcc aagcaagtcg 420
 aggccagcat acatatggcg gactgatgat 450

<210> 8320
 <211> 446
 <212> DNA
 <213> *Triticum aestivum*

 <223> Clone ID: uC-tsrow189038c09b1

 <400> 8320

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 atcgacgtcg cggcctgcag atttatcagg aagcagttct cggttgacaa cagactcatc 120
 ttaagacaac ctctgtaga gaatacatca tactggtgta tcacctgggc tgtgcagcca 180
 atgccagaac catacacata gaagaagaag cattgtttcg cggcattgcc cgtgtagtgt 240
 cagccccatc cctgggcctt cgccgcttta ccattctgcc aagattcaat tcattctctg 300
 aattgtcagc tattagtgtg ttgctgcgaa aagcgttgct tacctgtaag tctgtcttaa 360
 atctgtaata cagcaccatt actctgtatc accatggatg aagcccagca tatgctatat 420
 tccccaggag ttgaattctg agctac 446

<210> 8321
 <211> 403
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189038c10b1

 <400> 8321

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 tcctcgcggg cctcctctgg tggcgcacgc ccgcggcgca cctgcaggac cgcacggcgc 120
 tcatcttctt cttctccgtc ttctggggct tcttcccgtc ctacaacgcc gtcttcgtct 180
 tccccctcga gcgccccatg ctgctcaagg agcgtcctc ggggatgtac cgcctctcct 240
 cctacttcgc cgccccgacc gccgcccacc tccccatgga gctcggcctg cccaccgcct 300
 tcgtcctcat cctctactgg atgggcggcc tcgacccaag cccggcctcc ttcctcctct 360
 ccctcctcgt cgtcctctac agcgtgctcg tcgcccagag cct 403

<210> 8322
 <211> 338
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189038c11b1

 <400> 8322

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 cgtgcgtgat ggctggggag gaagccaaga aggcggcgcc ggctgctgcg gcgccggagg 120
 cagtgcgga gaaggatgtg ccggtggtca tcccgcctcc tccgggggtc aagccaccgg 180
 ccgacgacgc caaggccctc gtcgtcgtcg acagcactgc cgagaaacct caccctgaga 240
 agaacatcca caggggctca catgaaagag acgtcgtctt tgcaaagggtg gagacggaga 300
 agatgagctc tttgatcaaa gcatgggtag agaacgag 338

<210> 8323
 <211> 341
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189038d02b1

 <400> 8323

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aacccttgcg attacttcca ggggtggcaaa ataaaagcaa caaccctctc cctgtctgtc 120
ttggtgtcca ttgagatgtt caactcactg aatgccctgt ctgaggatgg cagccttctg 180
agcatgcctc cattggttaa cccctggctt cttctggcaa tgtcgggtgtc atttgggctt 240
cattttttga tcctctacgt gcctttcctt acccaaatct tcgggattgt gcccctcagt 300
ttcaacgaat ggcttttggg cgtagcagtt gcattcccag t 341

<210> 8324
<211> 394
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189038d03b1
<400> 8324

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gggcacgcca ttgctgggca agtacgagct cgggcgactg ctcggccgcg gcacgttcgc 180
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caaggcgag gtgatgggca tggagggcat ggcgcctcgc gtgctccggg aggtggtggc 300
catgcgccg cttcgccacc cgggcgtgct ccgcctccac gaggtgctcg ccacgcgctc 360
caggatctat ctcgatcatg agctagcccc ccgt 394

<210> 8325
<211> 343
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189038d04b1
<400> 8325

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tgccccacct ggcagggccg cggatcgcg cccagcgccg ccacttcgcc ttctctccg 180
cctcccccg cgccggcggc ggggcgaggg acagtgagcc gctgttcacc gagcagaccg 240

tctacgacct gctggcccag ctggagcggg agcggcagaa ggaacgcgag gatcggcgca 300
 aggccggggc cggcggcggc ggcgagggga agggggacga gga 343

<210> 8326
 <211> 221
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189038d05b1

<400> 8326

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 gctgatgagg gacttcaagc ggctgatgca ggaccctcct gcgggcataa gcggggcgcc 180
 gcaagacaac aacataatgc tgtggaatgc tgtgattttt g 221

<210> 8327
 <211> 442
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189038d06b1

<400> 8327

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 ggactggggc accaccgaca ctaacatcgc acaaactgtg caagtggtag atttctctgc 180
 atccaggtac gccaaaagcc caagcctcct cgagtttag ctaatgaacg agccgttggc 240
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 agagttcttc gggctcgtg gcgggttacc cggatctgtc attgatgtgc attactacgc 420
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<210> 8328
 <211> 336
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189038d07b1

<400> 8328

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ccttgccttc ggggttggtg agcgagcgag ctcgggatca gttggcgact acacaccag 180
aggttgttgt ccgagaatta tttaggcccg ccccttctt ccttccacgc cgctctgcct 240
cccttctctg ctccgtctcc tcggatctcc gcctcaaatt tgctcccca atccccagtt 300
ccaggttctt ggaggagggg ggaagccatg ggcagc 336

<210> 8329

<211> 345

<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsrow189038d09b1

<400> 8329

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ggtcggggga tcagcaccag cgccgatcga ggggtaggag gaggaggagg aggacgagga 180
ggaggcgggt gcgcgcgaca tggtgcgcc gccggcgagg gccggggccg actacgacta 240
cctcatcaag ctctgtctca tcggggacag cggtgttggc aagagtcgcc ttcttctgcg 300
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<210> 8330

<211> 447

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038d10b1

<400> 8330

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cgaagaaggt ggaagtggct ttgctgcttc tgcagcagct gctgcagcca ccggagctac 180
 tggatatgat tttggcgtgg acccaaatgt ggaccagag ttggcacttg ccctacggtt 240
 gtctatggag gaagagcgag ctaggcaaga ggctatcgcg aaaaaggctg cagaagacaa 300
 caaggatcag ccctcaagct ctaccgatgc tattatggct gaagcggaac ttaccttaaa 360
 tgctcctgct gatgttgacg cagatctact caaggatgat gatgatgctc agctactaca 420
 gcaagcactt gctatgtcaa tggatga 447

<210> 8331
 <211> 459
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsrow189038d11b1

<400> 8331
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 aatcccagga tccgcgtcgg cgggcggcgg cggaggcaca tggcgcaccg ggtggacaac 180
 gagtacgact acctcttcaa gatcgtgctc atcggcgact ccggcgtcgg caagtccaac 240
 atcctctccc gcttcacccg caacgagttc tgctcagagt ccaagtccac catcggcgctc 300
 gagttcgcca cccgcaccct ccaggtagaa ggcaagacaa ttaaggctca gatatgggat 360
 actgctggcc aagagaggta ccgtgcaatc acaagtgtt actacagggg agctgtggga 420
 gctctnttgg tgatgacata acaaagaagc tatcattcg 459

<210> 8332
 <211> 385
 <212> DNA
 <213> Triticum aestivum

<223> Clone ID: uC-tsrow189038d12b1

<400> 8332
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 cagatcttcg acagccgcgg caacccacc gtcgaggttg atgtgtgctg ctcagatgga 180

gtcattgatg ctcttggtca ccgtgatttc atcaagaaca tgatcaccg

409

<210> 8335

<211> 374

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e03b1

<400> 8335

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ttcattccca ccatgagcaa gccatgcgac ggtgccaatc ccaagacgga gtggcctgag 120
ctggtcgggc gcacgatcaa ggaggcggag gagaagatca aggcggaccg accggacctc 180
aaagttgtca ttgtcccggt aggaagtgtt gtgacacagg aggtcgatct gaaccgcgtc 240
cgcgctctggg tgcacacagt ggcgagggtt cccaagattg gctaagctag cttgtaatta 300
gccaaactgga ataaaagccc atgcaagtct caacatcgtc cagttaattt gccgaacaaa 360
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<210> 8336

<211> 291

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e04b1

<400> 8336

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ttcggtgctg ggaattatgg aatgtgtgga cgtgcataca gcccgaaattt tttgttcattg 120
tggccaactg gtaggatatc tggttatgggt ggcattcagg cagctggtgt tctcgcccaa 180
atagagaaga acaacaggaa aaggcaagga gtggagtgga ccaaggatga cgaacaagcc 240
ttcaaagcca aagtcgtcgt ggcttatgac aaagaaggaa gcccgacta c 291

<210> 8337

<211> 407

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e05b1

<400> 8337

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catgcagaca aatgcccacc agacaatata tacgaggttc tggagaatca atttcggagt 120
gaagagaatg aagaaagtat agaagtgaag gccactagtc agactgtttc aatcagccaa 180
accgaagaga ctgtgattta actgaggaac caaactgtta ttgtcttaag aggacgagac 240
tggatcattt atgcccgtag cagattattg ctttttcgaa tggattgact atagagggtg 300
cggtcgggcc taataaactg ggatggaggt agtatttcat cacaaaaaaaa tcacaaaaaa 360
ttacacatgt agtgtacatc catatgtgca tttagttttt ttggaac 407

<210> 8338

<211> 276

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e07b1

<400> 8338

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agaagcggca ggacgagcgg ggcggcgcg ggcgagccac cttccagagc gtggcgctca 180
tcctcggctc cacggggatc gtcggcacct cctcctcga catcctcccg cgggacgaca 240
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<210> 8339

<211> 453

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e08b1

<400> 8339

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cgcttcgtca ggagctggga tccatgatga ctgcaagctg aggttcgtgg agctcaagtc 180
caagaggatg caccgcttca taacctacag gctggagaac cagaaggagg tcattgtgga 240

cctaaactggg gagcgcgagg ccacctatga ggacttcacc aagaccctgc ctgagaacga 300
 ctgccgattc gcagtgtttg acttcgactt caccaccccg gaggatgtgc caaagagcag 360
 gatcttctat atcttctggt ctctgacac cgcaaagggtg aggagcaaga tgacgtacgc 420
 gagcaccaac gagatgttca agaggaccct gga 453

<210> 8340
 <211> 447
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189038e09b1
 <400> 8340

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 agcggcgctcg gcatcctcgg gatcgccctgg gccttcggcg gcatgatctt cgtcctcgtc 180
 tactgcaccg ccggcgctctc aggtggacac atcaaccggg cggtgacgtt cgggctgttc 240
 ctggcgagga aggtgtcgct catccggggcg ctgctctaca tcattgcgca gtgcctcggc 300
 gccatctgcy gcgtcgggct tgtcaagggc ttccagagct cctactacgt gcggtaacggc 360
 ggtggcgcca acgagctcag cgcaggctac tccaagggca ccgggctcgc ggccgagatc 420
 atcggcacct tcgtgctcgt ctacacc 447

<210> 8341
 <211> 410
 <212> DNA
 <213> Triticum aestivum
 <223> unsure at all n locations
 <223> Clone ID: uC-tsrow189038e11b1
 <400> 8341

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 tccgtcgccg tcgccgcgcc ggtggagcac atggtgctca tcaagctccg cccggaggcc 120
 gtcacctcgg gggccgcgcg cgcgatggtc tccgcgctgc aggccctgcc cacgctcgtc 180
 ccgggggtgt cctacctcca cgcgggcccc gtgctccgcc tccgctcgcc ggccgccgac 240

gcgctggggcc ccacccacct cctccactcc cgctacgcc acaaggccga cctcgccgcc 300
 tacgccgccc acccgggtca cgtggccgcc gtgcaggcgc acatcgctcc caacgcgctc 360
 gacaccaccg ncgtcgactg ggtcaacgcc gccgagctcc cgtcaccctg 410

<210> 8342
 <211> 338
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189038e12b1
 <400> 8342

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 gcggcgaagt ccaaccaggc cccaccggag ctccgaccat gggcggcgag aaggagaacc 120
 tcgacctctc cgacctcaac agctccctcc ccgccgccgc gcccgccctc agcgccgagg 180
 accgcgtcgg tctcgtcaat gccctgaagg ataagctgca gagcttggcg gggcagcacg 240
 cggacgtgct cgagtcgctc tcgcccattg tcaggacgcg tgttgagttt ctgaggggca 300
 ttcagagcca acatgatgag attgaggcga agtttttt 338

<210> 8343
 <211> 422
 <212> DNA
 <213> Triticum aestivum
 <223> Clone ID: uC-tsrow189038f02b1
 <400> 8343

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 acggtgacca tgtccgactg tgccgggtca atgatgtcgg agtggaaggc caagatggac 180
 aaggggggca gcgtggagat tgatcttagc caccagtttg aggagctcac cgcggatgtc 240
 atctctcaca cggcattcgg tagcagctac gaacagggga aaaagggtatt cctcgcgag 300
 agggagctcc agtttcttgc cttctccacc gtattcaacg tgcaaattcc agcattcaag 360
 taccttcaa cggaaaagaa cctcaagata tggaagcttg acaaggaggt gaggaccatg 420
 ct 422

<210> 8344
 <211> 394
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189038f03b1

 <400> 8344

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gagacctaca tccgcgacga cgtcgagaag gaccgcctct tccgcgccat cgacaccata  120
cccgccgtgc gccgcaaggc cgactggggc ctgcgctgga tgcacggtgg ggagcgcttc  180
gccgagcgca tcgtcgctt cgcctgcgtg gagggcatct tcttctcggg ctccttctgc  240
gccatcttct ggctcaagaa gcgcgggctc atgccgggccc tcaccttctc caacgagctc  300
atctcccgcg acgagggcct gcaactgcgac ttgcctgcc ttctctacga catcctgcgc  360
ggcaagctgg acgagtcacg cgtcttcgag atcg                                     394
  
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<210> 8345
 <211> 478
 <212> DNA
 <213> Triticum aestivum

 <223> Clone ID: uC-tsrow189038f04b1

 <400> 8345

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agcggcagca ctagcaccac caccaccgcc ggcccccgta cgtctccoga tcggatcggc  120
cgtcgtcccc gccggcgagc gagcgagcga gcgatcaaga tgggtgctctc ccacgccgcg  180
tcggctggat cctccgatga ctccgtgcac tccaccttcg cctcccgcta cgtccgcgcc  240
tccctgcca ggttccggat gccggagaac tcgatcccgga aggaggcggc gtaccagatc  300
atcaacgacg agctgatgct ggacgggaac ccgcggctga acctggcgctc cttcgtcacc  360
acgtggatgg agcccagtg caacaagctc atgatggact ccatcaaaa gaactacgtc  420
gacatggacg agtaccctgt aaccacagag ctccagaacc gatgtgtgaa catgatcg   478
  
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<210> 8346
 <211> 286
 <212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f06b1

<400> 8346

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ggagtaccgc tgcttcgtgg gcggcctcgc ctgggccacc gacgacaaca acctccagca 180
ggccttcagc cagtacggcg agatcctcga cgccaagatc atcaacgacc gcgagacggg 240
gagggtccgc ggggttcggct tcgtcacgtt cggcagcgag gagtcg 286

<210> 8347

<211> 394

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f07b1

<400> 8347

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agccatggcc gccaagtgct acccgacggt cagcgacgag tacctggcgg cggtcgccaa 120
ggccaagcgc aagctccgcg gcttcacgcg cgagaagaac tgcgcgcccc tcatgctccg 180
cctcgctggg cactcggccg ggaccttcga cgtggccacc aagaccggcg gccccttcgg 240
caccatgaag tgccccgcgg agctcgcgca cggcgccaac gccggcctcg acatcgccgt 300
cagggtgctc gagcccatca aggagcagtt ccccatcctc tctacgccc acttctacca 360
gtcgtctgga gtcgtcgccg tcgaggtgac cggc 394

<210> 8348

<211> 179

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f08b1

<400> 8348

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cgtggccccg gtgtccccgc ctccgatgat gccgcgcgcg accccggcgc cggtgtcccc 120

cccgccggcc gtggcccctg ccaccctac ccggtgccg gcgcccggcg caccggttc 179

<210> 8349
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f09b1

<400> 8349

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tgcaggctct tctggtgagg atatgttcca ttggcaggca accattatgg gtcctgctga 180
tagtccctat gctggagggtg ttttcttagt gaatatccat ttcccccccg actaccctt 240
caagccggcg aaggtatcgt tcaagacaaa ggtcttccat ccgaacatca atagcaatgg 300
aagcatatgc cttgacattc tgaaggagca atggagtcct gctttgacaa tctctaagg 360
tctgctttca atctgcttgc tgcttaccga ccctaaccg gacgaccctc tcgtccccga 420

<210> 8350
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f10b1

<400> 8350

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ctcgtgtgtt ttcttcgcaa aaaagtgtg gtaactcttc ctcttttaac attccccaag 180
ttgccaaatc tagagctcaa tatatagttg caaatctcaa cttgttagag aacaacaacg 240
atcctaggtt agtttgcaac gcttatcatt tcgcaaggca cggttaacta gaatactcga 300
tcggctgcac taatttccca cgagcagatt ctcac 335

<210> 8351
<211> 222
<212> DNA
<213> Triticum aestivum

<223> .. Clone ID: uC-tsrow189038f11b1

<400> 8351

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aggtgtgtcc cccctgatgt gtgcctgtac gagggtgtgt tcttgtgatg tctcctcgctg 120
ttgattgttc aggcctgtgc ttgcgacccg gtctaattct gtactgaaat gagcattcct 180
gtgctctggt ttaataataa attgtgccca ggtatttatt tc 222

<210> 8352

<211> 404

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f12b1

<400> 8352

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cagcgaggat tatatcatta accatctcaa gtccagggtt ttgggtccacc cctaccaggc 120
acaagggtgat gttgtgggtca cgagtgagga tgggtgttgcc atgggttgagt ctgaccgcaa 180
gagtggcttc cagattgttg gttttgaggt tgttccttgc agtgtgaagc gtgatcctgc 240
agccatggcc aagctcaaga tgtatgagaa ggttgactct gtgaactgcc cgttggagct 300
cgagaaatct caggtgatcc gtgaaaagga gcagattaca ttacctatg aggttgagta 360
tgtcaagagc aacatcaagt ggccgtcaag gtgggatgca tacc 404

<210> 8353

<211> 113

<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g02b1

<400> 8353

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cgactggggc aagtactacg cattcaagtc cttctacgac cccgtgaaga agc 113

<210> 8354

<211> 301

<212> DNA

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tgcgcggggg agacgccga gatgggttcc tgcgcgtcgg tccacaagga ggacgtcgag 240
ctgcccaga agcagcagct gctcgcccc tgcgcgccgt ccaaggacgg ccccccgtc 300
ggcgacgtcc tcgtcgacct caagcgcaag atcgaggggt tcggccctgg cggcaggacc 360
cctgactccg gtagcaagga tgagatg 387

<210> 8357
<211> 405
<212> DNA
<213> *Triticum aestivum*
<223> Clone ID: uC-tsrow189038g06b1
<400> 8357

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tgggctcagg gcttgcaccc atggtgcttt tcgaggctaa catccttagc ctccttgctg 180
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tgaccacaaa gttgaagcac cccccgggc agatcgaggc tgccgccatc atggaacata 300
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tgaagccaaa gcaagatagg tatgccctcc gcacatcacc gcagt 405

<210> 8358
<211> 458
<212> DNA
<213> *Triticum aestivum*
<223> Clone ID: uC-tsrow189038g07b1
<400> 8358

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accggagcag ggatcgagcc cgccgaagg ggaagacat ggggacactc gggcgcgca 180
tctacacggt gggcaagtgg atccgtggaa cggggcaggc catggaccgc ctggatcca 240

ccatccaggg cggcctccgc accgaggagc aggtgtcaag gcatcgtaca gtcacgagca 300
tatttgacaa ggagcctagg atcaacaaag atgtttttgt tgctcccagt gcatctgtca 360
ttggtgatgt tgagattgga catggatcat cgatctggta tggctccgtt ttgagaggtg 420
atgtcaacag tattcgtatt ggatctggat caaatata 458

<210> 8359
<211> 413
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189038g08b1
<400> 8359

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cccgttccac ggccacgcca ccccccctct ccgcctcgcc agcgttctcc acaccgcgg 180
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ggactaccgc ttcgtgcccc tgcgcgtgga cgtgcccccg gagctgatgg cgtccgagga 300
catcgccggg atggtcacgg ccatgagcga gtactccgag gcgcccttca aggaacgcct 360
gaccgcggcg ctcgccgagg aaggcgccgg tgcgggtgc gtcacgccc acg 413

<210> 8360
<211> 302
<212> DNA
<213> Triticum aestivum
<223> Clone ID: uC-tsrow189038g09b1
<400> 8360

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tggttactca aggccttcgag attcgtgtca aggggacagt gaggaatgac atgacagatg 180
aggctatcag caccgaaaacc accctcgggtg caggcagcag cacaacgggtg gacaaccacc 240
atgcaatccc acgggatcag tatagtagcc atggaggaga ggacggatct ggtggcagtg 300
gt 302

<210> 8361
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g10b1

<400> 8361

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accctcgcac gtcgtccatg gcgtcgcagt acgtggaggc gcagcggcag gcgcggccgg 180
acctcgccga ctggtacgcc gacctcgccg acctctacca gcgcaagctc tggcaccagc 240
tcacctcaa gctcgaccaa ttctccaga tcccggccgc acagactggc gacacgtca 300
tacagctcta caacaatttc atctccgatt tcgaaacaaa aatcaatttg ctcaaac 357

<210> 8362
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g11b1

<400> 8362

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catctccctt gcccgacagc tggaagctca atgaaatctt cgccactggg gttgtgctcg 120
gaacctacct tgccctgatg actgtcgtct tcttctgggt tatccacaag acggacttct 180
tcacaaacaa attcgggtgtc aggtcaatca gagacagtga gtttgagatg atgtctgcac 240
tgtacctcca agtcagtatt gtgagccagg ctcttatatt cgtgactcgt tcacgtagct 300
ggtcctttgt tgagcgccct ggtttcctct tggttaccgc cttccttctc gcacaattgg 360
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<210> 8363
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g12b1